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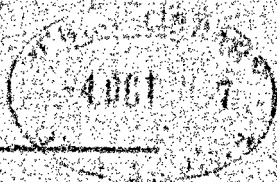
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FIELD SERVICE MANUAL.

1907.

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INFANTRY BATTALION.

LONDON:

PRINTED FOR HIS MAJESTY'S STATIONERY OFFICE,
BY HARRISON AND SONS, ST. MARTIN'S LANE,
PRINTERS IN ORDINARY TO HIS MAJESTY.

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(a) See also Section 2.

Section 1.—GENERAL NOTES.

1. The normal war establishment of an infantry battalion, showing its composition as regards personnel and animals, when mobilization is complete, is given in Section 2, and no men or horses in excess of the "total battalion" will be allowed beyond the advanced dépôt (*a*).

The three subalterns (signalling, machine gun and transport officers), shown in italics, are not included as such in the total battalion, but form part of the company establishment of officers.

2. With the exception of the warrant officer and staff serjeants, the details of the battalion headquarters (other than officers), sleep and mess with their companies, unless otherwise provided for.

3. The transport of a battalion is shown after its war establishment. The transport is divided in the field as follows :—

1st line (which always accompanies the battalion on the march): S.A.A. carts (*b*); forage carts (*b*) for tools; Maltese cart; limbered wagon for machine guns; and pack and spare animals.

2nd line (which marches as directed in orders): water carts and G.S. wagons.

The personnel for 2nd line transport is provided by the Army Service Corps; these men join the battalion on mobilization fully armed and equipped.

4. Spare draught horses are allowed at the rate of 10 per cent. A driver is allowed for each pair of spare horses. Spare drivers for 2nd line transport are included in the war establishment of the Army Service Corps company from which the 2nd line transport drivers are detached.

5. The horses and transport animals of an infantry battalion are in the veterinary charge of the veterinary officer with the divisional transport and supply column. Those of the battalion with army troops are in charge of the veterinary officer with the army troops transport and supply column. The senior veterinary officer with the headquarters of the line of communication will detail a veterinary officer to take charge of the animals of a battalion on the lines of communication.

6. The shoeing of horses and transport animals will be carried out by the battalion cold shoers, assisted by the farriers of the Army Service Corps company from which the 2nd line transport drivers of the battalion are detached.

(*a*) Put see para. 11, and note 1, p. 10.

(*b*) Eventually limbered wagons.

7. One N.C.O. and eight privates per battalion, trained in sanitary duties are placed under the orders of the medical officer for camp sanitation purposes, working in conjunction with the R.A.M.C. personnel for water duties.

8. Bâtmén in the field are allowed at the rate of one for each dismounted officer, or mounted officer with one horse, and two for each mounted officer with two horses.

9. Drafts to replace wastage are calculated for infantry at the rate of 80 per cent. during the first year of a war. The first portion of these drafts mobilizes with the battalion unless otherwise ordered, and proceeds with it as far as the oversea base: this portion is known as "first reinforcement," and is calculated at 10 per cent. of rank and file.

Other details shown in the table as "left at the base" also mobilize with the battalion; the orderly-room serjeant is attached to the base record office; the remainder are attached with the first reinforcement to one of the infantry base dépôts.

10. War outfit is the material of all kinds which a unit requires for war.

The method of carrying it is laid down in Sections 3-7.

11. No blankets for men are included in the normal scale of war outfit; but one blanket per man will be carried when specially ordered. This necessitates an addition of two G.S. wagons to the normal scale of transport; the extra personnel, horses and vehicles required, are shown in a note on the war establishment table (p. 10).

12. General requisites, such as spare parts, and materials for repair, are calculated on the assumption that it will be possible to replenish them at intervals of about a fortnight.

13. The clothing and necessaries required on mobilization are detailed in the Regulations for the Clothing of the Army, Part III.*

14. The equipment required on mobilization is laid down in the Mobilization Store Table for an Infantry Battalion.

15. The stationery considered necessary for a battalion in the field is shown in the list of contents which is pasted inside the lid of the battalion stationery box.

16. The allotment of battalions to brigades, divisions, army troops or line of communication, and their places of mobilization, are shown in Field Army Tables.

17. The arrangements for bringing a battalion up to War Establishment in men and horses, and for the completion of its war outfit are laid down in Mobilization Regulations.

18. Orders for movement, when mobilization is complete, will be issued from the War Office to General Officers Commanding-in-Chief.

19. The tables contained in this Manual are drawn up on the basis of a campaign in a civilized country, and in a temperate climate. When mobilization takes place under different conditions certain modifications will become necessary, and will be notified from the War Office.

* This will shortly be published.

AN INFANTRY BATTALION—continued.

War Establishment—continued.

Detail.	Personnel.						Horses and Mules.				Remarks.
	Officers.	Warrant officers.	Staff-serjeants and serjeants.	Drummers or buglers.	Rank and file.	Total.	Riding.	Drayght.	Pack.	Total.	
<i>Company.</i>											
Major or captain (<i>f</i>)	1	..	..	..	..	1	..	..	..	..
Subalterns ..	2	..	..	..	..	2	..	..	..	..
Colour-serjeant ..	..	..	1	..	..	1	..	..	..	..
Serjeants ..	..	..	4	..	..	4	..	..	..	..
Drummers or buglers ..	..	..	..	5	..	5	..	..	..	..
Corporals ..	..	..	..	..	1	1	..	..	..	..
Pioneer (<i>g</i>) ..	..	..	..	..	93	93	..	..	..	..
Privates ..	..	..	..	..	4	4	..	..	..	..
Signallers (<i>j</i>) ..	..	..	..	..	2	2	..	..	..	..
Stretcher-bearers ..	..	..	..	..	2	2	..	..	..	..
Drivers for pack animals (1st line transport)	..	..	..	..	3	3	..	..	2	..	
Bâtmen (<i>d</i>) ..	..	..	..	..	..	..	..	..	..	..
Total company (<i>h</i>) ..	3	..	5	2	110	120	..	..	2	2	

PUNJAB
VICTORIA

Recapitulation:—

Headquarters (including attached)

Machine-gun section

8 Companies

Total Battalion

..	5	1	9	..	33	48	9	39	2	50
..	..	..	1	..	15	16	1	4	..	5
..	24	..	40	16	880	960	..	..	16	16
..	29	1	50	16(k)	928	1024	10	43	18	71

DETAILS LEFT AT THE BASE.

(Not included in the above Totals.)

Orderly-room-sergeant	..	..	..	1	..	..	..	..	..	..
Sergeant of the band	..	..	..	1	..	..	..	..	..	..
Sergeant-master-tailor	..	..	..	1	..	..	..	..	..	..
Storemen	..	..	..	..	..	8(l)	..	..	..	..
First re-inforcement	..	..	..	2	..	91	..	..	..	..
	..	..	1	..	..	105	..	..	..	..

(f) The two senior company commanders may be mounted, if the G.O.C. considers it advisable.

(g) Two companies will each have 2 pioneers and 92 privates.

(h) Including bandmen. On mobilization the band of a Line battalion is broken up, and the bandmen are distributed among the companies. A battalion of Foot Guards has no band. The two extra colour-serjeants of a battalion of Foot Guards will, on mobilization, replace the serjeant and corporal of the band.

(j) One company per battalion will have 1 corporal and 3 privates. In the remaining companies one of the four signallers may be a lance-corporal.

(l) One storeman will mobilize with each company.

AN INFANTRY BATTALION—continued.

TRANSPORT.

Detail.	Vehicle.	Drivers.	Horses and Mules.		Remarks.
			Draught.	Pack.	
Headquarters	{ S.A.A. (o) forage, for tools (o) Maltese, for medical equip- ment water.. .. . } ..	5	10	..	(m) Medical officer's orderly. (n) Provided by the Army Ser- vice Corps for 2nd line trans- port vehicles. (o) 8 wagons, limbered G.S., will be issued, as available, to replace S.A.A. and forage carts.
	{ wagons, G.S., for baggage, stores, and supplies drivers for spare animals } ..	2	4	..	
	{ wagon, limbered, G.S., for 2 machine- guns, tripods and ammunition cart, S.A.A. (o) } ..	1(m) 2(n)	1 4	..	
	..	4	16	2	
Machine-gun section	..	3	4	..	
	..	8(n)	16	2	
Companies	1	2	..	
	..	1	2	..	
	{ for ammunition (1 per company) for tools (1 per com- pany) } ..	8	..	8	
	..	8	..	8	
Total		39	43	18	

NOTE 1.—When specially ordered one blanket per man is carried, and 2 G.S. wagons in addition will be required. For these vehicles, 4 extra A.S.C. drivers and 8 extra draught horses will be added to the 2nd line transport of the battalion.

NOTE 2.—Battalions which are not yet provided with a wagon, limbered G.S., for machine-guns, will retain 2 carriages, machine-gun with 4 drivers and 4 draught horses.

Section 3.—FIELD KITS.

A.—OFFICERS.

Detail of articles taken into the field by each officer.

NOTE.—The articles in the following list may be varied, but the total weight (exclusive of camp kettles) of 50 lbs. for the commanding officer, or 35 lbs. for other officers, to be carried in regimental transport, must not be exceeded.

Articles.	How carried.			Remarks.
	On the man.	On the horse. (c)	In regimental transport.	
	lbs. ozs.	lbs. ozs.	lbs. ozs.	
Helmet and pagri	0 13½	..	..	(a) Mounted officers wear breeches and leggings.
1 suit, service dress (a), (b) ..	4 13	..	4 13 (e)	(b) Officers of Highland regiments wear the kilt and apron, shoes, spats and hosetops. This adds, approximately, 1 lb. 12 ozs. to the weight.
1 pair puttees (a), (b) ..	0 13	..	0 13 (e)	
1 pair spurs (c) ..	0 12	..	..
1 pair lace boots (b) ..	2 11	..	2 11 (e)	
Sam Browne belt, including ammunition pouch, ammunition and revolver case, but without frog ..	2 5	..	..	(c) Mounted officers.
Revolver (d) ..	2 3½	..	..	(d) No special pattern, but must carry Government ammunition.
Sleeping cap (h) ..	0 3½	..	..
1 fannel belt ..	0 6½	..	0 6½ (e)	(e) Packed in valise.

A.—OFFICERS—continued.

Detail of articles taken into the field by each officer—continued.

Articles.	How carried.			Remarks.
	On the man.	On the horse. (c)	In regimental transport.	
	lbs. ozs.	lbs. ozs.	lbs. ozs.	
Haversack with:				
(i) Unused portion of bread or biscuit ration (say 12 ozs.)	2 10	..	..
(ii) Emergency ration, 9½ ozs. (h) ..	3 12	..	..
Waterbottle, filled, with carrier and strap ..	7 5 (g)	7 5 (c)	..	(f) Company officers only.
Greatcoat				
Field glass, or telescope, or field glass and telescope in one case	2 0½ (g)	2 0 (c)	..	
Mess tin (sealed pattern)	1 9½ (g)	1 9 (c)	..	
Map (h)	0 2	..	..
Pocket compass	0 4	..	..
Watch in wrist strap	0 4	..	..
Whistle and lanyard	0 2½	..	..
Match box (h)	0 1	..	..
Clasp knife, with ring and sawvel	0 6	..	..
Wire cutters	1 3½ (g)	1 3½ (c)	..	
Army Book 153	0 10	..	..
Field dressing	0 1½	..	..
Identity disc	0 0½	..	..
Underclothing: 1 suit	3 0	..	3 0 (e)	
Braces and handkerchief	0 6	..	..

Carbine, with sling (<i>f</i>)	8	0	..	..	..	(<i>g</i>) Dismounted officers.
Saddle, complete, with bridle and head rope ..	..	..	38	0	..	
Shoecases (2), each with pair of shoes and nails .. ..	..	..	4	6	..	(<i>h</i>) Packed in wallets by mounted officers.
Nosebag, with 6 lbs. corn.. ..	..	..	7	0	..	
Heel and picketing ropes.. ..	..	..	1	10	..	
Picketing pegs (on greatcoat) .. ..	..	..	2	8	..	
Field cap (in pocket of greatcoat) .. ..	..	..	0	5½	..	
Wallets (<i>c</i>), (<i>j</i>), packed, containing emergency ration, tin of grease, socks, shirt, holdall, with comb, knife, fork, spoon, razor, shaving brush, tooth brush, sleeping cup, towel, soap, drawers, pad for sureingle, cup, map, matches .. ..	..	..	8	7	..	(<i>j</i>) Weight, empty, with straps, 3 lbs. 5¼ ozs.
Sword (<i>c</i>) .. ..	..	..	3	0	..	
Service forage cap.. ..	..	..	..	..	0	9 (e)
1 tin of grease or vaseline .. ..	..	..	..	..	0	2 (e)
Canvas shoes .. ..	..	..	..	..	1	5 (e)
Writing portfolio .. ..	..	..	..	..	1	0 (e)
Housewife .. ..	..	..	..	..	0	4 (e)
Holdall complete with toilet necessities .. ..	..	..	..	..	1	0 (e)
Collapsible lantern, with talc sides .. ..	..	..	..	..	0	12 (e)
Canvas bucket .. ..	..	..	..	..	1	5 (e)
2 towels .. ..	..	..	..	..	0	13 (e)
Blanket (when carried) .. ..	..	..	..	..	4	8 (e)
Wolseley valise .. ..	..	..	..	..	11	3
<i>In camp kettle (k)</i>—	..	..	..	..	..
2 enamel plates of size to fit in camp kettle ..	..	..	..	..	1	5
Knife, fork, and spoon (<i>g</i>) (<i>h</i>) .. ..	..	..	..	..	0	6
Drinking cup, and pepper and salt pots to fit into it .. ..	..	..	..	..	1	8
	..	..	..	..	..	(<i>k</i>) One camp kettle is allowed for every 3 officers, in the mobilization equipment of a battalion.

NOTES.

1. Officers may leave at the base a bullock trunk packed with 100 lbs. of personal baggage. This reserve baggage will be forwarded only when it may be deemed convenient to the service by the General Officer Commanding-in-Chief.

2. If an officer is allowed more than one horse, saddlebags can be carried on the spare horse.

3. The mobilization equipment of a battalion includes for each officer's horse: 1 nosebag, 1 picketing rope, 1 head rope, and 1 picketing peg. On mobilization all mounted officers will ensure that this provision has been made for their own horses.

4. Method of carrying articles on the horse, by mounted officers :—

Greatcoat.—Rolled 26 inches long, behind the saddle.

Headrope.—Round horse's neck, with a short coil (from 6 to 8 times) under the throat, the end of the coil being 6 inches from the lower ring of the headstall.

Mess tin.—Fastened by the off baggage strap to the off side of the saddle.

Nose bag.—When empty, on the off shoecase fastened to the baggage strap. When oats are carried, the strap of the nosebag must be fastened to the back arch of the saddle.

Heel rope when carried.—Folded flat, and placed between the cantle of the saddle and the greatcoat.

Picketing peg.—Under the straps of the greatcoat.

Field glasses.—On off side.

Shoecases.—One on each side.

Sword.—On the near shoecase, edge to the rear.

5. The saddle blankets of officers horses are carried in the G.S. wagons.

6. The two telescopes for reconnaissance, when not specially required, are in the personal charge of the commanding officer and adjutant (one each).

B.—WARRANT OFFICERS, NON-COMMISSIONED OFFICERS AND MEN.

Detail of articles taken into the field by each man.

Articles.	How carried.		Remarks.
	On the man.	In regimental transport.	
	lbs. ozs.	lbs. ozs.	
Short rifle, with sling (a)	8 3½	..	(For drivers of S.A.A. carts, forage carts for tools, and limbered wagon, substitute:— "Pistol, with clearing lbs. ozs. rod and case" .. 2 12½ "Pouch, and 12 rounds of pistolammunition" 0 14 "Waistbelt, brown leather" .. 0 6½ For pipers, see "Equipment regulations." (a) Except warrant officers and staff-serjeants. (b) Warrant officers and staff-serjeants only. (c) Carried on the horse by the transport serjeant and drivers of 1st and 2nd line transport.
Carbine, with sling, oil bottle and pulthrough (b)	8 0	..	
Tin, mineral jelly, filled, pulthrough and canvas cover (a)	0 8½	..	
Sword bayonet, with scabbard and frog (a)	1 4½	..	
Waist belt, brown leather	0 6½	..	
6, 15-round pockets on the belt (a)	0 12	..	
2, 15-round pockets on the belt (b)	0 4	..	
Bandolier, for 50 rounds (a)	1 2	..	
Greatcoat and 2 straps (6 lbs. 5 ozs.) in web carrier (9 ozs.) with comforter cap (3½ ozs.) and one pair of socks (4½ ozs.) in pockets (a) (c)	7 5½	..	
Greatcoat and 1 strap (6 lbs. 4 ozs.) rolled with comforter cap (3½ ozs.) and 1 pair of socks (4½ ozs.) in pockets (b)	6 11½	..	

B.—WARRANT OFFICERS, NON-COMMISSIONED OFFICERS AND MEN—continued.

Detail of articles taken into the field by each man—continued.

Articles.	How carried.		Remarks.
	On the man.	In regimental transport.	
Whistle (d)	lbs. 0	lbs. 0	
Haversack with—	ozs. 2	ozs. 2	
(i) Unused portion of bread and biscuit ration (say 12 ozs.)	..	..	(d) Warrant and non-commissioned officers only.
(ii) Emergency ration (9½ ozs.)	..	..	(e) For killed regiments substitute 3 lbs. 9½ ozs., Apron 1½ ozs., Garters and rosettes 2 ozs., Hose-tops, 5 ozs., Shoes 2 lbs. 6 ozs., Gaiters 7½ ozs.
(iii) Fork and spoon (4 ozs.)	..	..
(iv) Tooth brush, shaving brush, comb, razor and case (6 ozs.)	..	..
(v) Spare bootlaces (½ oz.)	..	..
(vi) Housewife, fitted (3 ozs.)	..	..
(vii) Towel and soap (11½ ozs.)	..	..
(viii) Pay book (2 ozs.)	..	..
Mess tin and cover, with unused portion of meat ration (say 12 ozs.) (f)	..	..	(f) Carried on the horse by the transport serjeant, and drivers of 1st and 2nd line transport.
Waterbottle, filled, with carrier and strap	7	..	
Wolsley helmet	3	..	
Jacket, with field dressing	1	..	
Identity disc	2	..	
	0	..	
	0½	..	

PUBLIC ESTABLISHMENT VICTORIA

Trousers (e) (g) ..	..	..	..	..	1	15	..	..	(g) Pantaloon (3 lbs. 1 oz.) for transport serjeant and transport drivers.
Jersey or cardigan..	..	..	..	..	1	5½	..	..
Braces (e) ..	..	..	..	..	0	4	..	..
Flannel shirt ..	..	..	..	..	1	1½	..	..
Woollen belt ..	..	..	..	..	0	4½	..	..	(h) Cotton (1 lb. ½ oz.) for transport serjeant and transport drivers.
Socks ..	..	..	..	..	0	4½	..	..
Ankle boots (e) ..	..	..	..	..	3	14	..	..
Puttees (e) ..	..	..	..	..	0	12½	..	..
Clasp knife, with marline spike, tin opener, and lanyard	..	..	..	..	0	7½	..	..	(i) For rounds carried see Section 7A.
Woollen drawers (e) (h) ..	..	..	..	..	1	2	..	..
Small arm ammunition, per 10-round packet (i) ..	..	..	..	..	0	10½	..	..
Waterproof sheet ..	..	..	..	..	..	..	..	2	9

NOTE.—When specially ordered, a blanket (4 lbs. 8 ozs.) is carried in regimental transport in addition for each dismounted man. Extra transport is allotted in the War Establishment for this purpose.

B.—WARRANT OFFICERS, NON-COMMISSIONED OFFICERS, AND MEN—*continued*.
Additional articles carried on the man.

Articles.	Number per battalion.	Approximate weight of each.		By whom carried.	Remarks.
		lbs.	ozs.		
Intrrenching tool (pattern not yet decided) .. .. .	..	..	..		(a) Except rifle and light infantry regiments.
Binoculars, in case	32	14	14		(b) 17 in rifle and light infantry regiments; carried by serjeant-bugler and 16 buglers.
Wire-cutters, in frog	24	1	3½		(c) Highland and Scottish regiments only.
Telescopes, for reconnaissance	2	3	2		(d) One set with the machine-gun section. 20 yards of spare cord is also carried with the battalion in regimental transport.
<i>Musical Instruments—</i>					(e) Regimental stretcher-bearers wear an armet on the right arm above the elbow, when actually employed as such. They leave their arms in the Maltese cart when they take over the stretchers.
Bass drum and apron	1 (a)	20	8		
Side drums and aprons	8 (a)	8	12		
Bugles	8 (b)	1	7		
Flutes and piccolos	10 (a)	..	..
Pipes	(c)	..	..
Mekometers (complete sets)	4 (d)	6	7		
Stretchers	8	34	0		
<i>Signalling Equipment—</i>					
Message cases, with forms and manuals	8	2	14		
Small blue flags	16	0	6½		
Small white flags with blue stripe	16	0	6½		
Binoculars, in case	9	1	14		
Telescopes, and stands	8	3	2		
Watches	8	0	7		
Compasses, prismatic, in case	8	0	2		
Drivers' leggings and whips .. .. .	..	2	14½		
Jacks-purs .. .. .	..	0	15½		

C.—ARTICLES CARRIED ON THE HORSE BY DRIVERS OF 1ST AND 2ND LINE TRANSPORT VEHICLES.

The following are carried on the horse by drivers of 1st and 2nd line transport vehicles :—

Articles.	Near horse.		Off horse.	
	lbs.	ozs.	lbs.	ozs.
Shoecases, with shoes and nails	4	6	4	6
Harness (without shoecases)	73	0	75	0
Picketing peg.. .. .	1	3	1	3
Built-up rope.. .. .	1	1	1	1
Surcingle pad (on surcingle under horse) ..	0	10	0	10
Nosebags, with horse brush, horse rubber, sponge, and 6 lbs. of corn in each ..	..	..	18	5
Greatcoat (6 lbs. 5 ozs.), with comforter cap (3½ ozs.) and socks (4¼ ozs.) in the pocket	6	12½	..	..
Mess tin and strap, with unused portion of meat ration (say 12 ozs)	2	7	..	..
	89	7½	100	9

NOTES.

Method of carrying articles on the horse.

Greatcoat, rolled, 26 inches long, in front of the saddle.

Saddle blanket, under the riding saddle.

Saddle blankets for horses with luggage saddles are carried in the vehicles, on the march.

Nosebags, on the off horse, one on each side of the luggage saddle, fastened to the near arch (or ring with O.P. saddle).

Picketing peg, on the greatcoat.

Shoecases, one on each side of saddle.

Mess tin, on off side of saddle of the near horse.

At the discretion of the commanding officer, the picketing gear (or any part of it) may be carried in the vehicles of regimental transport.

D.—ARTICLES LEFT AT THE BASE BY EACH MAN.

Kit bags, containing the spare kit detailed below, will be taken as far as the oversea base by each man, and will be left in charge of company storemen at the Infantry Base Depôt to be forwarded only as may be deemed convenient to the Service by the General Officer Commanding-in-Chief.

Articles.	No.	Remarks.
<i>Clothing.</i>		
Boots (a)	1 pair	(a) Shoes for kilted regiments.
Service dress cap (or glengarry)	1	(b) Serving soldiers of high-
Woollen drawers	1 pair	land regiments will take
Service dress jacket (b) ..	1	their white jackets as the
Canvas shoes (if in possession)	1 pair	jacket to be left at the
Service dress trousers (c) ..	1 „	base.
		(c) Trews for highland regi-
		ments.
<i>Necessaries.</i>		
Cap badge	1	(d) Kilted regiments only.
Braces (d)	1 pair	
Hair brush	1	
Holdall	1	
Rose tops (d)	1 pair	
Table knife	1	
Flannel shirt	1	
Worsted socks	1 pair	
Towel	1	
<i>Special articles.</i>		
Clothes bag	1	
Woollen belt	1	

The boots will be tied together, with the soles outwards, the regimental number of the man and the name of the battalion being chalked or otherwise legibly marked on the soles. The boots will be packed last, and placed in the mouth of the kit bag to admit of their being readily withdrawn, should it be necessary to order them to be forwarded to the troops in the field.

Section 4.—CART AND WAGON EQUIPMENT.

A.—SMALL ARM AMMUNITION CART.

(6 PER BATTALION.)

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
Inventory board, with list ..	1	0	11	In locker.	(a) Comprising— Screw driver, G.S., 6 inch, 1. Hammer, claw, 14 oz., 1. Pincers, carpenter's, pair, 1. Spanner, McMahon, 9 inch, 1.
Water brush, carriage ..	1	0	10		
Cordage, spun yarn, hemp, tarred, 3-thread ..	5	5	0		
Lashings, white, 1 inch, 30 feet ..	2	2	6	Strapped on front board.	(b) Spare parts are carried in the pocket on near side, and consist of— Linch pin, 2nd class, 1. Drag washer, 2nd class C, 1. Brake blocks, field and transport, Mk. II, 2.
Water buckets, G.S., { canvas leather	6	3	15		
Grease for lubricating ..	1	6	0		
Drag ropes, light G.S. ..	3	3	0	Slung under cart.	
Tools for opening S.A. ammunition boxes ..	1	6	6	In grease box.	
.. .. set (a)	1	3	10	Strapped on footboard.	
Total equipment ..	..	31	10	In leather pocket on near side.	
S.A. cart (with components and spare parts (b)) ..	..	955	0	Approximate only; weight varies according to Mark.	
Cart equipped ..	..	986	10	= 84 cwt., about.	

B.—FORAGE CART (FOR TOOLS).
(2 PER BATTALION.)

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
Water bucket, G.S., leather	1	6	0	Slung under cart. In the grease box. Strapped to front of cart. In the locker. } Consisting of— } Linch pin, 3rd class, 1. } Drag washer, 3rd class, B, 1.	(a) Cover.
Grease for lubricating	3	3	0		
Drag ropes, light, G.S.	1	6	6		
Inventory board, with list	1	0	11		
Water brush, carriage	1	0	10		
Cordage, tarred, spun yarn, hemp,	5	5	0		
3-thread lbs.	2	2	6		
Lashings, white, 1 inch, 30 feet					
Total equipment	..	24	1		
Forage cart (with components, accessories (a), and spare parts (b))	..	897	0	Approximate only; weight varies according to Mark. = 8½ cwt., about.	
Cart equipped	..	921	1		

C.—MALTESE CART.

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
Water bucket, G.S., leather	1	6	0	Strapped on axle bed. In the grease box. In the body. On the rear underside of the cart. As convenient.	(a) Cover. (b) Carried in the pocket on the off side, and consisting of— Linch pin, 3rd class, 1. Drag washer, 3rd class, B, 1.
Grease for lubricating	3	3	0		
Drag ropes, light, G.S.	1	6	6		
Felling axe, curved helve	1	6	0		
Pick axe, { head, 4½ lbs. helve, 36-inch, ferruled	1	7	12	On the rear underside of the cart.	
Inventory board, with list	1	0	11		
Water brush, carriage	1	0	10	As convenient.	
Cordage, tarred, spun yarn, hemp, 3-thread	5	5	0	In the body.	
Bill hook	1	1	15½	On front underside of cart.	
Lashings, tarred, 1½-inch, 16-fcet	4	6	12	In the body.	
Shovels, G.S..	2	7	0	One on each side.	
Total equipment	..	51	2½		
Maltese cart (with components, accessories (a) and spare parts (b))	..	733	0	Approximate only; weight varies according to Mark.	
Cart equipped	..	784	2½	= 7 cwt., about.	

D--WATER CART.

(2 PER BATTALION.)

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
Inventory board, with list ..	1	0	11	} As convenient. Slung to axle bar.	(a) Packed in pocket on axletree bed, and consisting of:— Linch pins, 3rd class, 1. Drag washers, 3rd class, B, 1.
Water brush, carriage ..	1	0	10		
Water bucket, G.S., leather ..	1	6	0		
Cordage, spun yarn, hemp, tarred, 3-thread ..	5	5	0	As convenient.	(b) 1,625 lbs. 4½ ozs. if fitted with Slack and Brownlow filtering apparatus.
Grease for lubricating ..	3	3	0	In grease box.	
Spanner, McMahon, 9-inch ..	1	1	5	In pocket on axletree bed.	
Total equipment ..	..	16	10		
Water cart, with components and spare parts (a) ..		941	4½(b)	Approximate only; weight varies according to Mark. = 8½ cwt., about.	
Water cart equipped ..		957	14½		

E.—LIMBERED WAGON, G.S.
(FOR MACHINE GUNS, TRIPODS, AND AMMUNITION.)

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	oz.		
Water buckets, G.S., leather	2	12	0	Under rear of fore part.	(a) Comprising— Screwdriver, G.S., 6-inch, 1. Hammer, claw, 14-oz., 1. Pincers, carpenters', pair, 1. Spanner, McMahon, 9-inch, 1. (b) Covers, 2. (c) Spare parts are carried in the near side locker, in the fore part of the wagon, and consist of— Brake blocks, field and transport, 2. Collar, adjusting, 2nd class, "C," capped wheels, 1 (d). Linch pin, 2nd class "C," capped wheels, 1 (d). Drag washer, 2nd class, "C," capped wheels, 1 (d). (d) For wagons fitted with 2nd class hind axletrees only.
Grease for lubricating	6	6	0	In the grease boxes.	
Inventory board, with list	1	0	11	In locker on near side of fore part.	
Water brush, carriage	1	0	10	} On near side of fore part.	
Cordage, tarred, spun	5	5	0		
3-thread	1	6	6	On off side of fore part.	
Drag ropes, light, G.S.	1	3	10	In locker on near side of fore part.	
Tools, for opening S.A. ammunition boxes (a)	1	34	5		
Total equipment	..	1,237	0	Approximate only; weight varies according to wagon.	
Limbered wagon, G.S., with components, accessories, cover (b) and spare parts (c)	..	1,271	5	= 11½ cwt., about.	
Limbered wagon, G.S., equipped.	..				

F.—G.S. WAGON.

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
Felling axe, curved helve ..	1	6	0	In locker.	(a) Cover.
Pick axe, { head, 4½-lb. ..	1	7	12		(b) Swingletree; and the following packed in the small locker:—
Water buckets, G.S., leather ..	2	12	0	Slung under the wagon.	Brake blocks, field and transport, Mark II, 2.
Grease for lubricating ..	6	6	0		Linch pins, 2nd class, 1.(c)
Bill hook ..	1	1	15½	In the grease boxes.	Linch pins, 3rd class, 1.
Inventory board, with list ..	1	0	11		Drag washers, 3rd class, B. 1.
Water brush, carriage ..	1	0	10	In locker.	Drag washers, 2nd class, C. 1.(c)
Cordage, tarred, spun yarn, hemp, 3-thread ..	5	5	0		
Drag ropes, light, G.S. ..	1	6	6	Strapped under the raves, offside.	
Lashings, tarred, 1½-inch, 32 feet ..	1	2	8		
Shovels, G.S. ..	2	7	0	In locker.	(c) For wagons fitted with 2nd class hind axletrees only.
Total equipment ..	..	55	14½		
G.S. wagon, with components, accessories (a), and spare parts (b) ..	..	1,930	0	Approximate only; weight varies according to Mark.	
G.S. wagon equipped ..	..	1,985	14½		= 17¾ cwt., about.

Section 5.—PACK TRANSPORT LOADS.

A.—PACK ANIMAL FOR SMALL-ARM AMMUNITION.

(1 ANIMAL PER COMPANY.)

Articles.	No. per animal.	Approximate weight.		Remarks.
		lbs.	ozs.	
Bag, line gear (a) ..	1	0	8½	(a) Not allowed for pack horses.
Nosebag, with unexpended forage ..	1	6	0	
Packsaddle, G.S., small, with cover and lashing ..	1	60	0	
Picketing peg, wood ..	1	1	3	
Picketing pin (a) ..	1	2	6	
Heel rope ..	1	0	11	
Share of additional gear ..	..	2	0
Shoes, fore, with nails ..	1	2	0	
Ammunition bag, canvas ..	1	1	2	
Boxes of .303-inch ammunition (cordite, charger packed), 1,000 rounds each ..	2	161	0	
Total equipment and load ..	..	236	14½

B.—PACK ANIMAL FOR TOOLS.
(1 ANIMAL PER COMPANY.)

Articles.	No. per animal.	Approximate weight		Remarks.
		lbs.	ozs.	
Bag, line gear	1	0	8½	
Nosebag, with unexpended forage	1	6	0	
Picketing peg, wood	1	1	3	
Picketing pin	1	2	6	
Heel rope	1	0	11	
Share of additional gear	..	2	0	
Shoes, fore, with nails	1	2	0	
Axe, hammer-headed	1	2	10	
Packsaddle, G.S., small, with cover and lashing	1	60	0	
Pannier for tools, near side, with—	1(a)	71	12	(a) Each pack animal carries 14 shovels, 9 picks, distributed in the panniers as shown here, to ensure the load riding evenly.
6 shovels, G.S.				
5 pick axes, { head, 4½ lbs. { helves, 36-inch, ferruled ..				
Pannier for tools, off side, with—	1(a)	71	0	
8 shovels, G.S.				
4 pick axes, { heads, 4½ lbs. { helves, 36-inch, ferruled ..				
Total equipment and load	..	220	2½	

Section 6.—CART AND WAGON LOADS.

The distribution of the loads carried by regimental transport, shown in this section, has been arrived at after a series of packing trials, and a departure from it would only be justified by exceptional circumstances. For purposes of calculation, the maximum load for a forage cart with two horses has been taken as 1,500 lbs., and that for a G.S. wagon with four horses as 3,000 lbs. The weights of individual items in the loads, of different marks of wagons, and of individual wagons of the same mark may be found to vary.

A.—SMALL ARM AMMUNITION CART.

(6 PER BATTALION.)

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
Cartridges, small arm, ball, .303 .. boxes	16	1,258	0	In body	1,000 rounds per box, charger packed.
Ammunition bags, canvas	8	9	0	In the locker.	
Saddle blanket	1	5	4	.. ..	For the off horse.
Load .. ..	..	1,302	4	.. ..	(a) Two of the S.A.A. carts carry each in addition—
S.A.A. cart equipped (cf. page 21)	..	986	10	Approximate only; weight varies according to Mark.	1 box of pistol ammunition (340 rounds), 18 lbs. 8 ozs.
Total loaded cart (a) ..	..	2,288	14	= 20½ cwt., about.	The S.A.A. cart with the machine gun section carries in addition—
					4 spare ammunition belts (Maxim), each 250 rounds (8 lbs.), and
					2 boxes, spare parts Maxim (65 lbs.).

B.—FORAGE CART (FOR TOOLS).
(2 PER BATTALION.)
No 1.

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
Bill hooks ..	20	39	6	In the body of the cart.	(a) The contents are shown on the inside of the lid. (b) For the off horse.
Reaping hooks ..	10	10	0		
Pickaxes, { heads ..	38	171	0		
{ helves ..	38	123	8		
Felling axes ..	8	43	0		
Hand axes ..	4	9	0		
Crowbars ..	4	46	0		
Shovels, G.S. ..	55	192	8		
Sand bags ..	10	5	15		
Saw (hand) ..	1	1	15		
Handcuffs ..	4	8	0		
Signalling panniers (filled) ..	3	235	0		
Signalling flag poles (bundle)	..	26	0		
Stationery chest (filled) (a)	1	56	0		
Lanterns, tent, folding ..	4	27	2		
Boxes of candles ..	2	3	6		
Articles for repair of saddlery, in box	1	14	0		
Shoemaker's tools, in bag ..	1	25	0		
Farrier's tools, in leather case ..	1	14	6½		
Saddle blanket (b) ..	1	5	4		
Nails, wire, iron, grooved, { 6-inch lbs.	1	1	0		
{ 4 " "	2	2	0		
Load	1,064	6½	Approximate only; weight varies according to Mark. = 17½ cwt., about.	
Forage cart, equipped (c.f., page 22)	..	921	1		
Total loaded forage cart, No. 1	..	1,985	7½		

PUBLIC PROPERTY OF THE
B.—FORAGE CART (FOR TOOLS).
(2 PER BATTALION.)
No. 2.

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
Bill hooks ..	20	39	6	In the body of the cart.	(u) For the off horse.
Reaping hooks ..	10	10	0		
Pickaxes, { heads ..	38	171	0		
{ helves ..	38	123	8		
Felling axes ..	8	48	0		
Hand axes ..	4	9	0		
Crowbars ..	4	46	0		
Shovels, G.S. ..	55	192	8		
Sand bags ..	10	5	15		
Crosscut saw ..	1	7	3		
Handcuffs ..	4	8	0		
Signalling panniers, filled ..	3	232	0		
Helicograph stands ..	1	36	0		
Artificers and labourers tools in carpenter's pannier ..	1	93	8		
Lanterns, tent, folding ..	4	27	2		
Boxes of candles ..	2	3	6		
Saddle blanket (a) ..	1	5	4		
Nails, wire, iron, grooved, { 6-inch.. lbs.	1	1	0		
{ 4 " .. "	3	3	0		
Load	1,066	12	Approximate only; weight varies according to Mark. = 17½ cwt., about.	
Forage cart, equipped (c.f., page 22) ..	..	921	1	
Total loaded forage cart, No. 2 ..	..	1,987	13	

C.—MALTESE CART (FOR MEDICAL EQUIPMENT).

(1 PER BATTALION.)

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
Medical companion, complete, with water bottle (filled)	1	19	2	In the body.	
Surgical haversack, complete, with water bottle (filled)	1	13	2		
Field medical panniers (filled) { No. 1 ..	1	91	0		
Stretchers, ambulance	1	72	0		
Saddle blanket	8	272	0		
	1	5	4		
Load .. ..	..	472	8		
Maltese cart, equipped (<i>cf.</i> page 23) ..	..	784	2½	Approximate only; weight varies according to Mark.	
Total, loaded cart .. ..	..	1,256	10½		= 11¼ cwt., about.

D.—WATER CART.
(2 PER BATTALION.)

Articles.	No.	Approximate weight		How packed.	Remarks.
		lbs.	ozs.		
Water..	118	1,180	0		
Water cart, equipped (cf. page 24) .. ..	..	957	14½	Approximate only ; weight varies according to Mark.	
Total, loaded cart .. ..	..	2,137	14½	= 19 cwt., about.	

E.—LIMBERED WAGON, G.S. (FOR 2 MACHINE GUNS, TRIPODS, AND AMMUNITION).
(1 PER BATTALION.)

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
Pickaxes, { heads .. { helves ..	2 2	9 6	0 8		(a) 2 for paraffin oil and 2 for rangoon oil.
Shovels, G.S. ..	2	7	0		
Hammer-headed axe..	1	2	10		(b) 2 for mineral jelly and 2 for turpentine.
Cans, lubricating, No. 9 (a) ..	4	3	4		
Cans, half-pint (b) ..	4	1	12		(c) Empty.
Bars carrying Maxim gun on tripod	2	3	3		
Belts for ammunition (250 rounds each) (c)	32	69	0		(d) Mark III tripod weighs 49 lbs.; Mark III* tripod weighs 56 lbs.
Boxes for ammunition belts ..	32	120	0		
Boxes, cleaning materials ..	2	0	15		
Boxes, spare parts and implements, Maxim, filled	2	62	0		(e) For the off horse.
Cans, water, M.G. carriage (c) ..	2	5	3½		
Cases, can ..	2	4	6		
Spare barrels, cleaning rods and cases	2	12	7½		
Muzzle protectors ..	2	0	5½		
Plugs, cork ..	2	0	2		
Tripod mountings—					
Pins, joint, { crosshead .. { elevating gear ..	2 2	1 0	4 10½		

Belt plugs, Maxim ..	..	2	0	7½
Reflectors, mirror, M.G. ..	..	2	0	3
Tripods, Mark IV, with leather holder (d) ..	..	2	100	0
Machine guns in cases ..	..	2	150	0
Ammunition ..	.. rounds	7,000	420	0
Saddle blanket (e) ..	..	1	5	4
Load ..	..	..	985	9½
Limbered wagon, equipped (c/f. page 25) ..	..	..	1,271	5
Total, loaded limbered wagon ..	..	..	2,256	14½

Approximate only; weight
varies according to wagon.
= 20½ cwt., about.

F.—G.S. WAGON.
(4 PER BATTALION.)
No. 1. Baggage and Stores.

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
Lanterns, tent, folding	2	13	9		(a) The medical officer's baggage is carried in the Maltese cart.
Boxes of candles	4	6	12		
Officers' baggage— Commanding officer	1	50	0		(b) 8 for officers' riding horses, and 2 for the off horses of wagon.
28 others at 35 lbs. (a)	28	980	0		
Officers' camp kettles, packed	10	100	0		
Ground sheets	498	1,245	0		
Harness brushes	20	8	12		
Spare fore wheel for G.S. wagon	1	129	0		
Drag ropes, heavy pair	1	21	0		
Lashings, tarred, 1-inch, { 10-feet	1	0	8		
" { 20 "	2	2	0		
Saddle blankets (b)	10	52	8		
Bale of compressed forage	1	82	0		
Load	2,691	1	Approximate only; weight varies according to Mark. = 41½ cwt., about.	
G.S. wagon equipped (cf. page 26)	1,985	14½		
Total loaded wagon No. 1	4,676	15½		

F.—G.S. WAGON.
(4 PER BATTALION.)
No. 2. *Baggage and Stores.*

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
Lanterns, tent, folding	2	13	9		
Boxes of candles	4	6	12		
Ground sheets	498	1,245	0		
Camp kettles	42	355	0		
Flannelette yards	366	11	7		
Cordage, { tarred lbs. { white, 1½-inch .. fathoms { " 1 " .. "	14	14	0		
	20	12	8		
	36	9	0		
Butchers' implements, in cases	2	74	0		
Armourers' bag, with rifles components and tools, and box for clearing rod ..	1	8	14		
Jute hanks	6	3	0		
Brass wire oz.	24	1	8		
Dummy cartridges	20	1	4		
Horseshoes, assorted sets	11	60	8		
Dubbing, 2 lb. tins	2	4	0		
Block, malleable iron	1	4	0		
Snatch block	1	2	7		
Spare boots (in wood cases) .. pairs	40	188	0		
Lifting jack	1	32	0		
Rangoon oil pints	3	6	0		
Mineral jelly, 2-lb. boxes ..	32	64	0		
Carried forward .. ..	..	2,116	18		

F.—G.S. WAGON.

(4 PER BATTALION.)

No. 2.—*Baggage and Stores*—continued.

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
Brought forward ..	..	12,116	13		
Old linen for cleaning arms .. lbs.	5	5	0		
Spare wind wheel, G.S. ..	1	161	0		
Spare pole for G.S. wagon ..	1	37	8		
Mallets, heel peg ..	11	27	8		
Lashings, tarred, 1-inch, { 10 feet	1	0	0		
{ 20 "	2	2	0		
Horse rugs (small) ..	3	21	0		
Saddle blankets (a) ..	2	10	8		
Pumps, mineral jelly ..	8	9	0		
Drag ropes, heavy .. pair	1	21	0		
Picketing pegs with rope loops (spare)	14	25	0		
Bale of compressed forage ..	1	82	0		
Load ..	..	2,518	13		
G.S. wagon, equipped (cf. page 26) ..	..	1,985	14½		Approximate only; weight varies according to Mark.
Total loaded wagon No. 2 ..	..	4,504	11½		= 40½ cwt., about.

(a) For the off horses.

F.—G.S. WAGON.

(4 PER BATTALION.)

No. 3. Supplies.

Articles.	No.	Approximate Weight.		How packed.	Remarks.
		lbs.	ozs.		
Preserved meat, in cases (a)	8	640	0	In the body of the wagon.	(a) 1-lb. (nominal) tins in 50-lb. cases, 1 day's ration (1 lb.).
Biscuit, in cases ..	10	800	0		
Jam in cases (b) ..	..	378	0		
Groceries, in panniers (c) ..	9	808	0		(b) 1 day's ration ($\frac{1}{4}$ lb.).
Balance, spring, 80 lbs.	2	7	6	In the front locker.	(c) Each pannier weighs 33 lbs., 2 day's ration of tea, sugar, salt and pepper.
Lime juice, in jars (d) ..	..	80	0		(d) 1 issue.
Saddle blankets (e) ..	2	10	4		(e) For the off horses.
Knives, opening tins..	2	1	8		
Bale of compressed forage ..	1	82	0		
Load ..	..	2,807	2		
G.S. wagon equipped (cf. page 26)	..	1,955	14 $\frac{1}{2}$	Approximate only; weight varies according to Mark.	
Total loaded G.S. wagon No. 3 ..	..	4,795	0 $\frac{1}{2}$	= 42 $\frac{1}{2}$ cwt., about.	

F.—G.S. WAGON.

(4 PER BATTALION.)

No. 4 Supplies.

Articles.	No.	Approximate Weight.		How packed.	Remarks.
		lbs.	ozs.		
Preserved meat, in cases ..	9	732	0	In the body of the wagon.	(a) In 50-lb. wood cases. 1 day's ration (1-lb.).
Biscuit, in cases (a) ..	11	841	0		(b) 1 day's ration (12 lbs.) for 71 horses.
Forage, in sacks (b) ..	..	852	0		(c) Each two 1-gallon jars in a wood case. 1 issue.
Rum, in jars (c) ..	16	400	0		(d) For the off horses.
Saddle blankets (d) ..	2	10	4	In the front locker.	
Knives, opening tins ..	2	1	8		
Bale of compressed forage ..	1	82	0		
Load ..	..	2,918	12	Approximate only; weight varies according to Mark.	
G.S. wagon equipped (cf. page 26) ..	..	1,985	14½		
Total loaded G.S. wagon, No. 4 ..	..	4,904	10½		= 43¾ cwt., about.

Section 7.

DATA ON WHICH THE TRANSPORT OF A BATTALION
IS CALCULATED.

A.—AMMUNITION.

APPROXIMATE AMOUNT OF AMMUNITION AVAILABLE.

Note.—For the purpose of arriving approximately at the number of rounds to be carried in ammunition columns, the number of rifles in an infantry battalion is calculated at 1000.

How carried.	Rounds per rifle.	Rounds per pistol.	Rounds per machine- gun.	Remarks.
On the soldier	115 (a) (average)	12	—	
In the limbered wagon for each machine-gun	—	—	3,500 (b)	
In regimental reserve (c) ..	100	12	8,000 (d)	
With field artillery brigade ammunition column ..	100	12	10,000	
With the divisional ammu- nition column	100	—	10,000	
Total in front of the advanced dépôt ..	415	36	31,500	

(a) 50 per cent. carry 140 rounds; 50 per cent. 90 rounds and an intrenching tool. These quantities will be increased to 190 and 140 rounds respectively, from the regimental reserve, when action is imminent. Rounds in excess of 140 (viz., 90 on the belt and 50 in the bandolier) will be carried in the pockets and haversack. The pattern of intrenching tool is not yet settled.

(b) Ready packed in the belts. Each machine-gun is provided with 16 belts (14 filled and 2 spare), each belt containing 250 rounds.

(c) Carried on 8 pack animals for S.A.A. (1 per company), 5 S.A.A. carts with headquarters, 1 S.A.A. cart with the machine-gun section. In action 2 S.A.A. carts from each battalion in a brigade are formed into an "Infantry brigade ammunition reserve," *vide* "Infantry Training."

(d) 1000 rounds in the S.A.A. cart with the machine-gun section are packed in 4 spare machine-gun ammunition belts.

S.A.A. is packed in boxes of 1000 rounds; Pistol ammunition in boxes of 300 rounds.

B.—TOOLS (GENERAL DISTRIBUTION).
(EXCLUSIVE OF TOOLS REQUIRED FOR REPAIRS, OPENING CASES, &c.)

How carried.	Axes.			Saws.			Sand bugs.	Crowbars.	Reaping hooks.	Bill hooks.	Hammer-headed.	Hand.	Intrenching tools.	Remarks.
	Felling.	Hammer-headed.	Hand.	Hand.	Cross-cut.	Pickaxes.									Shovels.
On the soldier ..	8	..	4	20	10	4	10	1	..	38	55	..	(a)	(a) 50 per cent. carry in-trenching tools. The pattern is not yet settled.
In the forage carts for tools { No. 1 (b)	8	..	4	20	10	4	10	1	..	38	55	..	..	(b) Intrenching tools in the
In the machine-gun limbered wagon	..	1	..	..	..	..	..	..	..	2	2	..	..	forage carts are on no
On 8 company pack animals for tools	..	8	..	..	..	..	..	..	..	72	112	..	..	account to be used except
<i>Cart and Wagon Equipment—</i>	1	..	..	1	..	..	..	..	..	1	2	..	..	for field work purposes.
Maltese cart ..	4	..	..	4	..	..	..	..	..	4	8	..	..	For camp purposes, the tools
4 G.S. wagons ..	..	..	..	..	..	..	..	..	..	..	..	..	..	which form part of the cart
Total per battalion ..	21	9	8	45	20	8	20	1	1	155	234	(a)	(a)	and wagon equipment of
														vehicles should be sufficient.

C.—RATIONS AND FUEL.

DETAIL OF RATIONS CARRIED IN THE FIELD WITH INFANTRY BATTALIONS, AND IN TRANSPORT AND SUPPLY COLUMNS AND PARKS FOR EACH OFFICER AND MAN.

How carried.	FIELD RATION.				Emergency ration.	Remarks.
	Groceries.	Jam, Limejuice, and Rum.	Vegetables.			
	1½ lbs. fresh or 1 lb. (nominal) preserved or salt meat. 1½ lbs. bread, or 1 lb. biscuits, or flour.	Tea, sugar, salt, and pepper (as detailed in Allowance Regulations).	(As detailed in Allowance Regulations.)	½ lb. fresh, or ¼ lb. dried, or ¼ lb. preserved fruit.	6½ oz. net. 9½ oz. gross.	
On the soldier ..	½ (a)	..	..	..	1 (e)	(a) The unexpended portion of the day's ration issued the previous evening.
In regimental transport	1	2 (b)	1 (c)	.. (d)	..	(b) Carried in 6 grocery panniers. (c) Limejuice and rum to be issued at the discretion of the general officer commanding, on the recommendation of the medical officer.
In transport and supply columns to replace issues ..	1	1	1	1	1	(d) To be issued when available, but not to be carried in regimental transport, when marching daily.
In transport and supply parks ..	3	3	3	3	..	(e) The emergency ration is not to be opened except by order of an officer or in extremity.
Total ..	5½	6	5	4	2	

NOTE.—No fuel will be carried normally, except the wood of the ration boxes, which will be issued for kindling purposes and be supplemented by fuel obtained locally.

D.—FORAGE.

DETAIL OF FORAGE CARRIED IN THE FIELD WITH INFANTRY BATTALIONS, AND IN TRANSPORT AND SUPPLY COLUMNS AND PARKS FOR EACH HORSE.

How carried.	Corn ration. 12 lbs.	Compressed forage.	Remarks.
On the horse	$\frac{1}{2}$ (a)	..	(a) The unexpended portion of the day's ration issued the previous evening.
In regimental transport	1	(b)	(b) One bale (82 lbs. gross weight) is carried in the locker of each G.S. wagon. This is only to be consumed by order of an officer.
In transport and supply column, to replace issues	1	(b)	
In transport and supply park	3	(b)	
Total	5 $\frac{1}{2}$..	

NOTE.—The above scale of forage is applicable to a country where hay is available.

E.—SIGNALLING EQUIPMENT FOR AN INFANTRY BATTALION IN THE FIELD.

(CARRIED PARTLY BY THE SIGNALLERS, AND PARTLY IN SIX SIGNALLING PANNIERS IN THE FORAGE CARTS FOR TOOLS.)

Articles.	No.	Remarks.
Apparatus, limelight:—		
Bags, gas	4	
" pressure	1	
Bottles, cleansing, gas	1	
Cans, tin	1	
Cases, loose, pencils, Mark II	1	
Lamps	1	
Pencils doz.	1	
Retorts, copper	2	
Spanners, retort	1	
Cases, message book	8 (a)	
Flags, signal, army:—		
Blue, 3' 0" square	8	
" 2' 0" "	16 (a)	
White with stripe, 3' 0" square	8	
" " 2' 0" "	16 (a)	
Poles, 5' 6"	24	
" 3' 6"	48 (b)	
Heliographs, 5"	8	
Lamps, signalling, "B"	8	
Chimneys, glass	glasses 16	
Panniers, signalling, No. 1	6	
Stands, lamp or heliograph, "A"	8	
Tubing, indiarubber, $\frac{3}{8}$ " feet	5	
Wick, flat, 2 $\frac{1}{8}$ "	(c)	
Oil, mineral, burning (flashing point about 150 deg. F.) galls.	(c)	
Oxygen mixture lbs.	24 }	3 months' supply.
Methylated spirits galls.	1 }	
Wick, common	(c)	
Cotton, waste, white lbs.	2	
Binoculars (with cases)	9 (a) }	Exclusive of those for reconnaissance.
Stands, telescope, signalling	8 (a) }	
Telescopes, signalling	8 (a) }	
Compasses, prismatic	8 (a)	
" cases	8 (a)	
Watches	8 (a)	
Books, signalling, manual	9	
Army Form C. 2121 (ii) (books)	48 (d)	
Pencils gross	1	

(a) Carried by signallers.

(b) 32 carried by signallers.

(c) A reserve of oil and wick for signalling lamps is carried in transport and supply columns.

(d) 8 carried by signallers.

F.—SPARE WHEELS, SHAFTS, POLES, AND SWINGLE-TREES.

(1) WHEELS.

Spare wheels for S.A.A. carts are carried by divisional ammunition columns.

One spare fore and one spare hind wheel for G.S. wagons are carried in regimental transport by a battalion (*cf.* pages 36 and 38).

(2) SHAFTS.

Spare shafts for S.A.A. carts are carried by divisional ammunition columns.

Spare shafts for forage carts, and for Maltese carts, are carried by divisional transport and supply columns.

(3) POLES.

A spare pole for G.S. wagons is carried by a battalion in the field (*cf.* page 38).

(4) SWINGLETREES.

S.A.A. carts do not require swingletrees.

The wagon equipment of each G.S. wagon includes a spare swingletree, and this provision covers the requirements of the forage and Maltese and water carts, which use swingletrees of the same pattern as the G.S. wagon.

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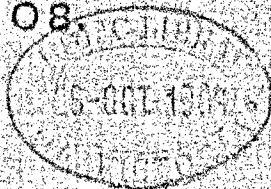
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Section 1.—GENERAL NOTES.

1. The normal war establishment of an infantry battalion, showing its composition as regards personnel and animals, when mobilization is complete, is given in Section 2, and no men or horses in excess of the "total battalion" will be allowed beyond the advanced dépôt (*a*).

The three subalterns (signalling, machine gun and transport officers), shown in italics, are not included as such in the total battalion, but form part of the company establishment of officers.

2. With the exception of the warrant officer and staff serjeants, the details of the battalion headquarters (other than officers), sleep and mess with their companies, unless otherwise provided for.

3. The transport of a battalion is shown after its war establishment. The transport is divided in the field as follows :—

1st line (which always accompanies the battalion on the march): S.A.A. carts (*b*); G.S. limbered wagons for tools (*c*); Maltese cart; limbered wagon for machine guns; and pack and spare animals.

2nd line (which marches as directed in orders): water carts and G.S. wagons.

The personnel for 2nd line transport is provided by the Army Service Corps; these men join the battalion on mobilization fully armed and equipped.

4. Spare draught horses are allowed at the rate of 10 per cent. A driver is allowed for each pair of spare horses. Spare drivers for 2nd line transport are included in the war establishment of the Army Service Corps company from which the 2nd line transport drivers are detached.

5. The horses and transport animals of an infantry battalion are in the veterinary charge of the veterinary officer with the divisional transport and supply column. Those of the battalion with army troops are in charge of the veterinary officer with the army troops transport and supply column. The senior veterinary officer with the headquarters of the line of communication will detail a veterinary officer to take charge of the animals of a battalion on the lines of communication.

6. The shoeing of horses and transport animals will be carried out by the battalion cold shoers, assisted by the farriers of the Army Service Corps company from which the 2nd line transport drivers of the battalion are detached.

(*a*) But see para. 11, and footnote to Transport Table of War Establishment.

(*b*) Eventually G.S. limbered wagons.

(*c*) Pending the issue of G.S. limbered wagons forage carts will be utilized.

7. One N.C.O. and eight privates per battalion, trained in sanitary duties are placed under the orders of the medical officer for camp sanitation purposes, working in conjunction with the R.A.M.C. personnel for water duties.

8. Bâtmén in the field are allowed at the rate of one for each dismounted officer, or mounted officer with one horse, and two for each mounted officer with two horses.

9. Drafts to replace wastage are calculated for infantry at the rate of 80 per cent. during the first year of a war. The first portion of these drafts mobilizes with the battalion unless otherwise ordered, and proceeds with it as far as the oversea base: this portion is known as "first reinforcement," and is calculated at 10 per cent. of rank and file.

Other details shown in the table as "left at the base" also mobilize with the battalion; the orderly-room serjeant is attached to the base record office; the remainder are attached with the first reinforcement to one of the infantry base depôts.

10. War outfit is the material of all kinds which a unit requires for war.

The method of carrying it is laid down in Sections 3-7.

11. No blankets for men are included in the normal scale of war outfit; but one blanket per man will be carried when specially ordered. This necessitates an addition of two G.S. wagons to the normal scale of transport; the extra personnel, horses and vehicles required, are shown in a note on the war establishment table (p. 10).

12. General requisites, such as spare parts, and materials for repair, are calculated on the assumption that it will be possible to replenish them at intervals of about a fortnight.

13. The clothing and necessities required on mobilization are detailed in the Regulations for the Clothing of the Army, Part III.

14. The equipment required on mobilization is laid down in the Mobilization Store Table for an Infantry Battalion.

15. The stationery considered necessary for a battalion in the field is shown in the list of contents which is pasted inside the lid of the battalion stationery box.

16. The allotment of battalions to brigades, divisions, army troops or line of communication, and their places of mobilization, are shown in Field Army Tables.

17. The arrangements for bringing a battalion up to War Establishment in men and horses, and for the completion of its war outfit are laid down in Mobilization Regulations.

18. Orders for movement, when mobilization is complete, will be issued from the War Office to General Officers Commanding-in-Chief.

19. The tables contained in this Manual are drawn up on the basis of a campaign in a civilized country, and in a temperate climate. When mobilization takes place under different conditions certain modifications will become necessary, and will be notified from the War Office.

Section 2.—WAR ESTABLISHMENT AND TRANSPORT.

AN INFANTRY BATTALION.
WAR ESTABLISHMENT.

Detail.	Personnel.					Horses and Mules.				Remarks.	
	Officers.	Warrant officers.	Staff-serjeants and serjeants.	Drummers or buglers.	Rank and file.	Total.	Riding.	Draught.	Pack.		Total.
<i>Headquarters.</i>											
Lieutenant-colonel	1					1	1			1	
Major...	1					1	1			1	
Adjutant	1					1	1			1	
Quartermaster	1					1	1			1	
Transport officer (a)							1			1	
Signalling officer (a)							1			1	
Serjeant-major		1				1					
Quartermaster-serjeant			1			1					
Orderly-room clerk (b)			1			1					
Serjeant-drummer			1			1					
Pioneer-serjeant			1			1					

AN INFANTRY BATTALION—continued.
War Establishment—continued.

Detail.	Personnel.						Horses and Mules.				Remarks.
	Officers.	Warrant officers.	Staff-serjeants.	Drummers or buglers.	Rank and file.	Total.	Riding.	Draught.	Pack.	Total.	
<i>Company.</i>											
Major or captain (<i>f</i>)	1	..	..	..	..	1	..	..	..	..	..
Subalterns ..	2	..	..	..	..	2	..	..	..	..	..
Colour-serjeant ..	..	..	1	..	..	1	..	..	..	..	..
Serjeants ..	..	..	4	..	..	4	..	..	..	..	..
Drummers or buglers ..	..	..	..	2	..	2	..	..	..	..	..
Corporals ..	..	..	..	..	5	5	..	..	..	..	..
Pioneer (<i>g</i>) ..	..	..	..	..	1	1	..	..	..	..	..
Privates ..	..	..	..	..	93	93	..	..	..	..	..
Signallers (<i>i</i>) ..	..	..	..	..	4	4	..	..	..	..	..
Stretcher-bearers ..	..	..	..	..	2	2	..	..	..	..	..
Drivers for pack animals (1st line transport)	..	..	..	..	2	2	..	..	2	2	..
Bátmen (<i>d</i>) ..	..	..	..	..	3	3	..	..	..	..	..
Total company (<i>h</i>) ..	3	..	5	2	110	120	..	..	2	2	..

Recapitulation:—

Headquarters (including attached)	..	..	5	1	9	..	33	48	9	39	2	50
Machine-gun section	..	..	..	..	1	..	15	16	1	4	..	5
8 Companies	..	..	..	24	40	16	880	960	..	..	16	16
Total Battalion (k)	..	..	29	1	50	16(j)	928	1024	10	43	18	71

DETAILS LEFT AT THE BASE.

(Not included in the above Totals.)

Orderly-room-serjeant	..	..	..	..	1	..	..	..	..	..	..	..
Serjeant of the band	..	..	..	..	1	..	..	..	..	..	..	..
Serjeant-master-tailor	..	..	..	..	1	..	..	105	..	..	..	..
Storemen	..	..	..	..	..	..	8(l)	..	..	..	..	..
First re-inforcement	..	..	..	1	2	..	91	..	..	..	..	..

(f) The two senior company commanders may be mounted, if the G.O.C. considers it advisable.

(g) Two companies will each have 2 pioneers and 12 privates.

(h) Including bandsmen. On mobilization the band of a Lince Battalion is broken up, and the bandsmen are distributed among the companies. A battalion of Foot Guards has no band. The two extra colour-serjeants of a battalion of Foot Guards will, on mobilization, replace the serjeant and corporal of the band.

(i) One company per battalion will have 1 corporal and 3 privates. In the remaining companies one of the four signallers may be a lance-corporal.

(j) Battalions with pipes will have one serjeant-piper and five pipers in addition.

(k) One storeman will mobilize with each company.

Section 3.—FIELD KITS, &c.

A.—OFFICERS.

Detail of articles taken into the field by each officer.

NOTE.—The following list is drawn up as a general guide, and the articles in it may be varied, but the total weight (exclusive of camp kettles) of 50 lbs. for the commanding officer, or 35 lbs. for other officers, to be carried in regimental transport, must not be exceeded.

Articles.	Mounted.			Dismounted.			Approximate weight of each.	Remarks.
	On the person.	On the horse.	In regimental transport.	On the person.	In regimental transport.	In regimental transport.		
CLOTHING AND PERSONAL EFFECTS.								
Belts, dannel	1	..	1	1	1	1	0 6½	(a) Dismounted officers of
Boots, lace	1	..	1	1	1 (a)	1	2 11	killed regiments wear the
Braces	1	..	..	..	1 (a)	..	0 4	kilt and apron, shoes,
Breeches (in hair)	..	1	..	..	..	1	..	spats and hose-tops.
Breeches (in shaving towel)	..	1	..	..	..	1	..	
Cap	..	1	..	..	..	1	..	
Cap { forage sleeping in pocket of cap }	..	..	1	1	..	1	0 9	
	..	1	..	..	1	..	..

A.—OFFICERS—continued.

Detail of articles taken into the field by each officer—continued.

Articles.	Mounted.		Dismounted.		Approximate weight of each.	Remarks.
	On the person.	On the horse.	In regimental transport.	On the person.	In regimental transport.	
Cloak (with sleeping cap in pocket)	..	1	..	1	lbs. 7 5	(a) Dismounted officers of kilted regiments wear the kilt and apron, shoes, spats and hosetops.
Comb (<i>in holdall</i>) ..	..	1	..	..	..
Compass, pocket ..	1	..	..	..	0 4	(b) One camp kettle is allowed for every three officers, who pack into it their cups, plates, and pepper and salt pots. Dismounted officers also pack their table knives, forks and spoons in their camp kettles.
Disc, identity ..	1	..	..	1	0 0½	
Dressing, field ..	1	..	..	1	0 1½	
Fork, table ..	..	1	..	..	..
Grease or vaseline ..	..	1	..	..	0 2	
tin	..	1	..	..	0 4	
Handkerchief ..	1	..	..	1	0 4	
Helmet and pagri ..	1	..	..	1	0 13½	
Holdall, containing comb, razor, hair brush, shaving brush, tooth brush, and table knife, fork and spoon in the case of mounted officers ..	..	1	..	..	1 3	
Housewife ..	..	..	1	..	1 0	
	..	..	..	..	0 4	

<div>Knives { clasp, with ring and swivel</div> <div>Leggings or putties .. pairs</div> <div>Map box</div> <div>Matches</div> <div>Portfolio, writing materials ..</div> <div>Razor (in holdall) ..</div> <div>Shirt</div> <div>Shoes, canvas .. pair</div> <div>Soap pieces</div> <div>Socks pairs</div> <div>Spoon</div> <div>Spurs pair</div> <div>Suits, service dress ..</div> <div>Towels</div> <div>Underclothing .. suits</div> <div>Watch, in wrist strap ..</div>	1	1 (c)	..	..	..	1	1 (a)	1 (b)	0 6	(c) Mounted officers wear breeches and leggings.
A.B. 153	1	1 (c)	1	..	..	1	1 (a)	1 (b)	0 13	
Ammunition: <i>Wetley pistol</i> rounds										
Belt, Sam Browne, including ammunition, ammunition pouch and revolver case ..	1	1	..	..	..	1	1 (a)	1 (b)	0 13	
Blanket, (when carried) ..	..	..	..	..	..	1	1	1	0 1	
Brush, horse ..	..	..	1	..	..	1	1	1	0 10	
Bucket, canvas ..	..	..	..	..	1	1	1	..	0 4	
EQUIPMENT.										
A.B. 153	1	1	..	..	..	1	1	..	0 10	
Ammunition: <i>Wetley pistol</i> rounds										
Belt, Sam Browne, including ammunition, ammunition pouch and revolver case ..	1	1	..	..	..	1	1	1	0 12	
Blanket, (when carried) ..	..	..	..	..	..	1	1 (a)	1	4 13	
Brush, horse ..	..	..	1	..	2	1	1	3	0 13	
Bucket, canvas ..	..	..	1	..	1	1	1	1	3 0	
Watch, in wrist strap ..	1	1	..	..	..	1	1	..	0 4	
(d) For number of rounds carried, see Section 7A.										
	12	12	(d)	..	..	12	(d)	(d)	..	
	1	1	..	..	..	1	1	1	2 5	
	..	..	..	1	..	..	..	1	4 8	
	..	..	..	..	..	..	..	..	0 10	
	..	..	..	1	..	..	..	1	1 5	

A.—OFFICERS—continued.

Detail of articles taken into the field by each officer—continued.

Articles.	Mounted.			Dismounted.		Approximate weight of each.	Remarks.
	On the person.	On the horse.	In regimental transport.	On the person.	In regimental transport.		
<i>Cup, enamelled, drinking.</i>	1 (b)	..	1 (b)	lbs. ozs.	(b) One camp kettle is allowed for every three officers, who pack into it their cups, plates, and pepper and salt pots. Dismounted officers also pack their table knives, forks and spoons in their camp kettles.
Field glass or telescope, or field glass and telescope in one case..	..	1	..	1	..	2 0	
Haversack, with unused portion of bread or biscuit ration (say 12 ozs.), and emergency ration in the case of dismounted officers	1	..	..	1	..	{ 2 0½ 2 10
<i>Kettle, camp</i>	1 (b)	..	1 (b)	..	
Lantern, collapsible, with tale sides	1	..	1	0 12	
Mess tin (sealed pattern)	..	1	..	1	..	1 9	
Nosebag (with 6 lbs. corn)	..	1	..	..	..	7 0
Pad, for surecingle	1	..	..	..	0 10	
Peg, picketing	1	..	..	..	1 3	
Plates, enamelled	2 (b)	..	2 (b)	..	
Pots, for pepper and salt	2 (b)	..	2 (b)	..	

NOTES.

1. Officers may leave at the base a bullock trunk packed with 100 lbs. of personal baggage. This reserve baggage will be forwarded only when it may be deemed convenient to the service by the General Officer Commanding-in-Chief.

2. In addition to the foregoing list, officers may, at their own discretion, provide saddlebags. If an officer is allowed more than one horse, saddlebags can be carried on the spare horse.

3. The mobilization equipment of a battalion includes for each officer's horse: 1 nosebag, 1 picketing rope, 1 head rope, and 1 picketing peg. On mobilization all mounted officers will ensure that this provision has been made for their own horses.

4. Method of carrying articles on the horse, by mounted officers :—

Greatcoat.—Rolled 26 inches long, behind the saddle.

Headrope.—Round horse's neck, with a short coil (from 6 to 8 times) under the throat, the end of the coil being 6 inches from the lower ring of the headstall.

Mess tin.—Fastened by the off baggage strap to the off side of the saddle.

Nosebag.—When empty, on the off shoecase fastened to the baggage strap. When oats are carried, the strap of the nosebag must be fastened to the back arch of the saddle.

Heel rope when carried.—Folded flat, and placed between the cantle of the saddle and the greatcoat.

Picketing peg.—Strapped on sword scabbard.

Field glasses.—On off side.

Shoecases.—One on each side.

Sword.—On the near shoecase, edge to the rear.

5. The saddle blankets of officers' horses are carried in the G.S. wagons.

6. The two telescopes for reconnaissance, when not specially required, are in the personal charge of the commanding officer and adjutant (one each).

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B.—WARRANT OFFICERS, NON-COMMISSIONED OFFICERS AND MEN.

Detail of articles taken into the field by each man.

(1903 pattern equipment).

(F.S.M.)

Articles.		Number and how carried.	On the man.	In regimental transport.	Approximate weight of each.	Remarks.
CLOTHING AND NECESSARIES, &c.						
Belt, woollen	1	..	0 4½	(a) For killed regiments substitute:— kilt.. .. 3 9 apron .. 0 12 garters and rosettes 0 2 hose-tops .. 0 5 shoes .. 2 6 gaiters .. 0 7
Boots, ankle	..	..	1	..	3 14
Braces (a)	..	.. pair	1	..	0 4
Brushes (b) { shaving { tooth	..	..	1	..	0 1
	..	..	1	..	0 1
Cap, Comforter, in pocket of greatcoat	..	..	1	..	0 3½
Cardigan (or jersey)	..	..	1	..	1 6
Comb (b)	..	..	1	..	0 1
Disc, identity, with cord..	..	..	1	..	0 0½
Drawers, woollen (a) (c)	..	.. pair	1	..	1 2
Dressing, field (d)	1	..	0 2	(b) In haversack.
Fork (b)	1	..	0 1½	(c) Cotton drawers (weight 1 lb.) in the cases of transport sergeant and drivers.
Greatcoat, with comforter cap and pair of socks in pocket	1	..	7 5	(d) Sewn in jacket.
Helmet, Wolseley	1	..	1 0½	

B.—WARRANT OFFICERS, NON-COMMISSIONED OFFICERS AND MEN—continued.
 Detail of articles taken into the field by each man—continued.
 (1903 pattern equipment)—continued.

Articles.	Number and how carried.		Approximate weight of each.	Remarks.
	On the man.	In regimental transport.		
<i>Housewife, fitted (b)</i> ..	1	..	lbs. 0 3	(a) For killed regiments, substitutes:—
<i>Jacket</i> ..	1	..	2 6	kilt 3 9
<i>Knife, clasp (with marine spike, tin-opener, and lanyard)</i> ..	1	..	0 7½	apron 0 12
<i>Laces, spare, 30-inch (b)</i> ..	1	..	0 0½	garters and rosettes 0 2
<i>Paybook (b)</i> ..	1	..	0 2	hosetops 0 5
<i>Puttees (a)</i> ..	1	..	0 12½	shoes 2 6
<i>Razor (b)</i> ..	1	..	0 3	gaiters 0 7
<i>Shirt, flannel</i> ..	1	..	1 1½	(b) In haversack.
<i>Soap (b)</i> ..	1	..	0 3	
<i>Socks, worsted</i> ..	2 (e)	..	0 4½	(e) One pair in use, and one pair is carried in the haversack.
<i>Spoon (b)</i> ..	1	..	0 2½	(f) The transport serjeant and drivers wear pantaloons (weight 3 lbs. 1 oz.).
<i>Towel, hand (b)</i> ..	1	..	0 9½	(g) For number of rounds carried see Section 7A.
<i>Trousers (a) (f)</i> ..	1	..	1 15	(h) Warrant officers and staff-serjeants excepted.
EQUIPMENT.				(j) Warrant officer excepted.
<i>Ammunition, .303 inch</i> ..	(g)	(g)	..	
<i>Bandolier equipment, pattern 1903:—</i>				
<i>Bandoliers, 50 rounds, Mark II</i> ..	1 (h)	..	1 5½	
<i>Belts, waist</i> ..	1 (j)	..	0 5½	

Carriers, { greatcoat, Mark II	1 (h)	..	0	10½	(k) One strap in the case of staff-serjeants.
{ water-bottle, with shoulder-strap, Mark II.. .. .	1	..	0	5½	
Covers, mess-tin, drab duck	1	..	0	3½	(l) Transport serjeant only.
Pockets, cartridge, { except warrant officers and 15 rounds, staff-serjeants	4	..	0	2½	(m) For serjeant-major.
Mark II, { warrant officer and staff-serjeants	2	..	0	2½	(n) Containing—
Straps, { greatcoat	2 (k)	..	0	1½	i. Unused portion of bread or biscuit ration.
Belt, waist, buff, warrant officers, G.S.	1 (i)	..	0	1½	ii. Emergency ration.
Bottle, water, enamelled (filled)	1 (m)	..	1	1½	iii. Fork and spoon.
Haversacks, drab, N.P. (n) { D.S.	1	..	1	0½	iv. Tooth brush, shaving brush, comb and razor.
{ M.S.	1 (l)	..	4	2	v. Pair of spare bootlaces.
Rifles, short, M.L.E. (with oil bottle, pullthrough, and sling (o))	1	..	3	14½	vi. Housewife, fitted.
Sword bayonet, with scabbard and frog	1	..	8	3½	vii. Towel and soap.
Tins, mess (with unused { mounted services	1	..	1	5	viii. Paybook.
{ dismounted services	1 (l)	..	1	15	
{ portion of meat ration), { dismounted services	1 (l)	..	2	0½	
{ unused portion of bread or biscuit ration (say 12 ozs.), in haversack	1	..	..	..	(o) The rifles of drivers of first and second line transport vehicles will be carried in the vehicles which these men drive. Drivers leading pack or other animals will carry their rifles slung.
Rations { unused portion of meat ration in mess tin	1	..	..	..	Pipers are armed with pistols and dirks, and carry 20 rounds of pistol ammunition.
{ emergency ration (in haversack)	1	..	0	9½	
Sheet, ground .. .. .	..	1	2	9	(p)
Tool, intrenching (with carriage) (p)	1	..	..	..
Valise equipment, pattern 1888, buff :—	..	..	..	..
{ greatcoat	1 (m)	..	0	1½	
Straps, { mess-tin	1 (m)	..	0	1½	(p) Pattern not yet decided. Probable weight about 3 lbs.

ADDITIONAL ARTICLES CARRIED ON THE MAN.

Articles.	No. per Battalion.	Approximate weight of each.		By whom carried.	Remarks.
		lbs.	ozs.		
<i>Musical Instruments—</i>					
Bugles, with strings (a)	8	1	7	Buglers or drummers.	(a) Rifle and Light Infantry battalions require 17 (instead of 8) bugles, but are not entitled to any of the other musical instruments.
Drums { bass (with apron) (a)	1	20	8	Bass drummer.	
(with cases) { side (with aprons) (a)	8	8	12		
Flutes (a) { B..	6	..	5		
(with cases) { F..	2	..	8	Drummers.	
Piccolos (a) { F flat	1	..	3		
(with cases) { F..	1	..	2½	Pipers.	(b) Scottish regiments only.
Pipes (b) ..	6	..	..
<i>Signalling Equipment—</i>					
Binoculars (in cases) (c)	9	1	14		(c) Exclusive of those required for reconnaissance.
Cases, message book, with forms, pencils and manuals ..	8	2	14		
Compasses, prismatic (in cases)	8	..	2		
Flags, signal, { blue, 2 ft. square	16	..	1½	Signallers.	
army, { white, with stripe, 2 ft. square	16	..	1½		
Telescopes, signalling (with stands) (c)	32	..	5		
Watches ..	8	..	7		

Binoculars (in cases) (d) .. Cutters, wire (in frogs) ..	.. .. .. pairs	32 24	1 1	14 4	Section commanders. 2 pairs per company, and re- mainer by pioneers. Drivers. Range finders. Senior company N.C.O.'s. 1 per company; in Maltese cart on the march and in action by stretcher bearers (f).	(d) Exclusive of signalling equipment. (e) Includes one set for machine-gun section. Spare cord is carried in the machine-gun spare part box. (f) Regimental stretcher bearers wear an armlet on the right arm above the elbow when actually em- ployed as such.
Leggings, drivers' .. ..	.. ..	19	1	14		
Mekometers, complete (e) ..	.. sets	5	6	7		
Reflectors, mirror .. ..	.. ..	24	..	1		
Saws, folding, complete, in leather cases	.. ..	32	..	..
Stretchers, ambulance .. ..	.. ..	8	34	0		
Spurs, jack .. ..	.. ..	19	..	15		
Telescopes, signalling (with stands), for reconnaissance (d) .. ..	.. pairs	2	3	2	As convenient. See note on page 16. Drivers.	
Whips, drivers' .. ..	.. ..	19	1	0	W.O.'s, colour-serjeants, company serjeants and corporals.	
Whistles, Infantry .. ..	.. ..	85	..	2		

C.—ARTICLES CARRIED ON THE HORSE BY DRIVERS OF 1ST AND 2ND LINE TRANSPORT VEHICLES.

The following are carried on the horse by drivers of 1st and 2nd line transport vehicles :—

Articles.	No. on horse.		Approximate weight of each.	
	Near.	Off	lbs.	ozs.
Bags, nose, G.S., each with 6 lbs. corn ..	..	2	7	0
Brushes, horse .. .. .	..	2	0	10
Harness sets	1	1	{ 73	0
			{ 75	0
Greatcoat, with comforter cap and pair of socks in pocket	1	0	7	5
Mess tin and strap, with unused portion of meat ration (say 12 ozs.)	1	0	2	7
Pads, surcingle (on surcingle under horse)..	1	1	0	10
Pegs, picketing, with rope loops	1	1	1	3
Ropes, heel	1	1	1	1
Rubbers, horse .. .. .	..	2	0	4
Sponges 7 drachms .. .. .	..	2	0	1

NOTES.

Method of carrying articles on the horse.

Greatcoat.—Rolled, 26 inches long, in front of the saddle.

Saddle blanket.—Under the riding saddle. Saddle blankets for horses with luggage saddles are carried in the vehicles, on the march.

Nose bags.—On the off horse, one on each side of the luggage saddle, fastened to the near arch (or ring with O.P. saddle).

Picketing peg.—On the greatcoat.

Heel rope (when carried).—Folded flat and placed between the cantle of the saddle and the greatcoat. An additional picketing peg is issued with each heel rope.

Shoe cases.—One on each side of saddle.

Mess tin.—On off-side of saddle of the riding horse.

Picketing gear (or any part of it) may, at the discretion of the commanding officer, be carried in the vehicles of regimental transport.

D.—ARTICLES LEFT AT THE BASE BY EACH MAN.

Kit bags, containing the spare kit detailed below, will be taken as far as the oversea base by each man, and will be left in charge of company storemen at the Infantry Base Depôt to be forwarded only as may be deemed convenient to the Service by the General Officer Commanding-in-Chief.

Articles.	No.	Remarks.
<i>Clothing.</i>		
Boots, ankle (a) pair	1	(a) Shoes, Highland, for kilted regiments.
Cap, service dress (or glengarry) ..	1	
Drawers, cotton or woollen .. pair	1	
Jacket, service dress (b)	1	(b) Serving soldiers of highland regiments will take their white jackets, and will leave them at the base.
Shoes, canvas (if in possession) pair	1	
Trousers, service dress (c)	1	(c) Trews for highland regiments.
<i>Necessaries.</i>		
Badge, cap	1	
Braces (d) pair	1	(d) Kilted regiments only.
Brush, hair	1	
Holdall	1	
Hosetops (d) pair	1	
Knife, table	1	
Shirt, flannel	1	
Socks, worsted pair	1	
Towel, hand	1	
<i>Special articles.</i>		
Bag, clothes	1	
Belt, woollen	1	

The boots will be tied together, with the soles outwards, the regimental number of the man and the name of the battalion being chalked or otherwise legibly marked on the soles. The boots will be packed last, and placed in the mouth of the kit bag to admit of their being readily withdrawn, should it be necessary to order them to be forwarded to the troops in the field.

B.—ARTICLES CARRIED BY SPARE HORSES.

(4 PER BATTALION.)

Each spare horse will carry one of each of the following articles:—

Bag, nose, G.S.
 Bit, bridoon, pattern 1884.
 Blanket, saddle, Mark III.
 Brush, horse, Mark II.
 Collar, head, Mark III.
 Pad, surcingle.
 Peg, picketing, with rope loop.
 Reins, bit.
 Ropes, { head.
 { picketing.
 Rubber, horse.
 Sponge, 7 drachms.
 Surcingle, leather, Mark II.

In addition to the above, the following articles are distributed amongst the spare horses in the proportion shown:—

Buckets, water, G.S., canvas...	...	1 per 2 horses.
Ropes, heel ... ..	...	1 per 6 horses.

Section 4.—CART AND WAGON EQUIPMENT.

A.—SMALL ARM AMMUNITION CART.
(6 PER BATTALION.)

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
Board, inventory, with list ..	1	0	11	} In the locker. Strapped on front board. Slung under the cart.	(a) Comprising— Driver, screw, G.S., 6-inch.. 1 Hammer, claw, 14 ozs. .. 1 Pincers, carpenter's, pair .. 1 Spanner, McMahon, 9-inch.. 1
Brush, water, carriage ..	1	0	10		
Buckets, water, G.S., { canvas	6	3	15		
{ leather	1	6	0		
Cordage, tarred, spunyarn, hemp, 3-thread					
lbs.	5	5	0	In the locker.	(b) Spare parts are carried in the pocket on near side, and consist of— Pin, line, 2nd class .. 1 Washer, drag, 2nd class C 1 Blocks, brake, field and transport 2
Grease, lubricating ..	3	3	0	In grease box.	
Lashings, white, 1-inch x 30 feet ..	2	2	6	In the locker.	
Ropes, drag, light, G.S. .. pair	1	6	6	Strapped on footboard.	
Tools, for opening S.A.A. boxes sets (a)	1	3	10	In leather pocket on near side.	
Total equipment ..	..	31	10		
S.A.A. cart (with components and spare parts (b)) ..	..	955	0		
Cart equipped (c) ..	..	986	10	= 8½ cwt., about.	(c) Approximate only; weight varies according to Mark.

B.—MALTESE CART.
(1 PER BATTALION.)

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
Axes, { felling, curved helve pick, { head helve, 36-inch, ferruled..	1 1 1	6 4 3	0 8 4	} On the rear underside of the cart.	
Board, inventory with list ..	1	0	11		
Brush, water, carriage ..	1	0	10	} As convenient.	
Bucket, water, G.S., leather ..	1	0	0		
Cordage, tarred, spun yarn, hemp, 3-thread lbs.	1	6	0	} Strapped on axle bed.	
Grease, lubricating "	5	5	0		
Hook, bill "	3	3	0	} In the body of the cart.	
Lashings, tarred, 1½-inch x 16-feet ..	1	2	0		
Ropes, drag, light, G.S. .. pair	4	6	12	} On the body of the cart.	
Shovels, G.S. "	1	6	6		
Total equipment "	2	7	0	} One on each side.	
Maltese cart (with components, accessories (a), and spare parts (b) ..	..	51	3		
Cart equipped (c) "	..	733	0	} = 7 cwt., about.	
	..	784	3		

(a) Cover.

(b) Carried in the pocket on the off side, and consisting of—
Pins, linch, 3rd class .. 1
Washer, drag, 3rd class, "B" 1

(c) Approximate only; weight varies according to Mark.

(2 PER BATTALION.)

Sect. 4.—Cart and Wagon Equipment.

27

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
Board, inventory, with list ..	1	0	11	} In small store box.	(a) Consisting of:—
Brushes, { water, carriage ..	1	0	10		Bands, indiarubber, candle covers 12
.. { washing	1	0	1½		Caudles 8
Bucket, water, G.S., leather ..	1	6	0		Caps, protecting, couplings filling pipes 4
Cordage, tarred, spunyarn, hemp, 3-thread lbs.	5	5	0	Under tank.	Collars, cylinder cover bolts .. 2
Grease, lubricating	3	3	0	In grease box.	Nuts, { wing, cylinder cover bolts .. 2
Spanners, { apparatus, filtering ..	1	0	6½	In small store box.	
.. { McMahon, 9-inch ..	1	1	7	In pocket, axle bed.	Rings, india-rubber { clarifying .. 2
Total equipment .. ..	..	17	4		(round sec-sterilizing .. 2
					tion), filters.. 12
					{ indiarubber, sterilizing .. 2
					filters 2
Water cart, (with components and spare parts (a) ) .. ..	..	1,473	8		Washers { leather, { candle spindle 8
					hose union 8
					Blocks, brake, field and transport .. 2
					Pin, linch, 3rd class .. 1
Water cart equipped (b) .. ..	..	1,490	12	= 13½ cwt., about.	Washer, drag, 3rd class, B 1
					(b) Approximate only; weight varies according to Mark.

D.—G.S. LIMBERED WAGON.*
(3 PER BATTALION.)

Articles.	No.	Approximate weight.		How packed.	Remarks.
		lbs.	ozs.		
FORE PORTION.					
Board, inventory, with list ..	1	0	11	Locker near side.	(a) Comprising— Driver, screw, G.S., 6-in. 1 Hammer, claw, 14-oz... 1 Pincers, carpenter's, pr. 1 Spanner, McMahon, 9-in. 1 (b) The following spare parts are carried in the near side locker, fore portion— Attachments, hame, sup- porting pole bar .. 4 Blocks, brake, field and transport .. 2 Collar, adjusting, 2nd class, "C," capped wheels... .. 1 Pins, linch, 2nd class, "C," capped wheels .. 1 Washer, drag, 2nd class, "C," capped wheels .. 1
Brush, water, carriage ..	1	0	10	Near side.	
Buckets, water, G.S., leather ..	2	12	0	Under.	
Cordage, spunyarn, hemp, tarred, 3-thread lbs.	5	5	0	Near side.	
Grease, lubricating ..	3	3	0	In the grease box.	
Ropes, drag, light, G.S. ..	1	6	6	Off side.	
Tools, opening, S.A.A. boxes set (a)	1	3	10	Locker, near side.	
HIND PORTION.					
Grease, lubricating ..	3	3	0	In the grease box.	
Total equipment ..	..	34	5		
G.S. limbered wagon (with components, covers and spare parts (b) ) ..	..	1,235	8		
G.S. limbered wagon, equipped ..	..	1,269	13	= 11½ cwt., about.	

* Pending the issue of G.S. limbered wagons, forage carts will be used for transport of tools.

Section 5.—PACK TRANSPORT LOADS.

A.—PACK ANIMAL FOR SMALL-ARM AMMUNITION.

(1 ANIMAL PER COMPANY.)

Articles.	No. per animal.	Approximate weight.		Remarks.
		lbs.	ozs.	
ammunition, canvas..	(a) Not allowed for pack horses.
Bags, { line gear (a)..	1	1	2	
{ nose, G.S. (with unexpended forage)	1	0	9	
Blanket, saddle ..	1	6	0	
Brush, horse ..	1	5	4	
Cartridges, S.A., ball, .303-inch, cordite	1	0	10	(b) Each containing 1,000 rounds.
packed (b) ..	2	161	0	
Packsaddle, G.S., small (with cover and lashing).. set	1	60	0	
Peg, picketing, with rope loop ..	1	1	3	
Pin picketing (a) ..	1	2	6	
Rope, heel ..	1	0	11	(c) Canvas buckets, spare shoes, &c., which are distributed amongst the whole of the pack animals.
Rubber, horse..	1	0	4	
Share of additional gear (c)..	..	2	0	
Total equipment and load ..	..	241	1

B.—PACK ANIMAL FOR TOOLS.

(1 ANIMAL PER COMPANY).

Articles.	No. per animal.	Approximate weight.		Remarks.
		lbs.	ozs.	
Axe, hammer-headed	1	2	10	
Bags { line, gear	1	0	9	
{ nose, G.S. (with unexpended forage)	1	6	0	
Blanket, saddl'e	1	5	4	
Brush, horse	1	0	10	
Packsaddlery, G.S., small (with cover and lashing) set	1	60	0	
Panniers, intrenching tools :—				
Near side { axes, pick	1 (a)	71	12	(a) Each pack animal carries 9 picks and 14 shovels, distributed in the panniers as shown here to ensure the load riding evenly.
{ shovels, G.S.				
Off side { axes, pick	1 (a)	71	0	(b) Canvas buckets, spare shoes, &c., which are distributed amongst the whole of the pack animals.
{ shovels, G.S.				
Peg, picketing, with rope loop	1	1	3	
Pin, picketing	1	2	6	
Rope, heel	1	0	11	
Rubber, horse.. ..	1	0	4	
Share of additional gear (b) .. ..	..	2	0	
Total equipment and load.. ..	..	224	5	

C.—SPARE PACK ANIMALS.

(2 PER BATTALION.)

Each of the spare pack animals will carry one of each of the following articles :—

Bags, {line, gear.
 {nose, G.S.
Bit, bridoon.
Blanket, saddle, Mark III.
Brush, horse.
Chain, collar, G.S., Mark III.
Collar, head.
Pad, surcingle.
Peg, picketing, with rope loop.
Pin, picketing.
Reins, bridoon.
Rope, heel.
Rubber, horse.
Surcingle.

In addition to the above, one

Axe, hammer headed, and
Bucket, water, G.S., canvas,

will be carried between the two spare pack animals.

Section 6.—CART AND WAGON LOADS.

The distribution of the loads carried by regimental transport, shown in this section, has been arrived at after a series of packing trials, and a departure from it would only be justified by exceptional circumstances. For purposes of calculation, the maximum load for a G.S. wagon with four horses has been taken as 3,000 lbs. The weights of individual items in the loads, of different Marks of wagons, and of individual wagons of the same Mark may be found to vary.

A.—SMALL ARM AMMUNITION CART.
(6 PER BATTALION.)

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
<i>In the Locker.</i>				
Bags, ammunition, canvas	8	9	0	(a) Containing 300 rounds. Only carried by two of the six S.A.A. carts.
Cartridges, S.A., ball, Webley pistol (a)	1	3	10	(b) For the off horse.
				(c) Each box contains 1,000 rounds, charger packed.
<i>In the Body.</i>				
Blanket, saddle (b)	1	5	4	The S.A.A. cart with the machine-gun section carries, in addition, 4 spare
Cartridges, S.A., ball, .303 inch (c)	16	1,288	0	beats, ammunition, Maxim, each containing 250 rounds.
Load	..	1,305	14	(d) Approximate only; weight varies according to Mark.
S.A.A. cart equipped (cf. page 25) (d)	..	986	10	
Total loaded S.A.A. cart	..	2,292	8	= 20½ cwt., about.

B.—MALTESE CART.

(1 PER BATTALION.)

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
<i>In the Body.</i>				
Blanket, saddle (a)	1	5	4	(a) For the off horse.
Companion, medical, complete, with water-bottle (filled)	1	19	2	
Haversack, surgical, complete, with water-bottle (filled)	1	13	2	
Panniers, medical, field, (filled) { No. 1	1	91	0	
Stretchers, ambulance	1	72	0	
	8	272	0	
Load..	472	8	(b) Approximate only; weight varies according to Mark. = 11½ cwt., about.
Maltese cart, equipped (cf. page 26) (b) .. .. .	..	784	3
Total, loaded cart .. .. .	..	1,256	11

C.—CART, WATER MARK II*

(2 PER BATTALION.)

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
Blanket, saddle (a)	1	5	4	(a) For the off horse. (b) Approximate only; weight varies according to Mark.
Water galls.	118	1,180	0	
Water cart, equipped (cf. page 27) (b) ..	..	1,490	12	
Total loaded cart .. ..	..	2,676	0	= 2½ cwt., about.

D.—G.S. LIMBERED WAGONS FOR TOOLS.
(2 PER BATTALION.)

No. 1.

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
FORE PORTION.				
Bags, tool { farriers' (a)	1	15	0	(a) Containing, in addition to the usual set, a pair of pincers, horn, cutting (b) For the off horse.
(filled) { shoemakers'	1	25	0	
Blanket, saddle (b) ..	1	5	4	
Boxes, (filled) { articles for repair of saddlery	1	36	0	
.. .. candles, F.S.	4	6	12	
Lanterns, tent, folding ..	4	27	2	
Panniers, signalling, filled ..	3	235	0	
Stands, lamp or helio ..	8	36	0	
HIND PORTION.				
Ares, { felling, curved helve	8	48	0	
.. .. hand.. ..	4	9	0	
.. .. { heads	38	171	0	
.. .. { pick { helves	39	123	0	

Bars, crow ..	..	..	..	..	4	46	0
Hooks, { bill ..	..	..	..	..	20	39	6
.. { reaping ..	..	..	..	..	10	10	0
Nails, wire, iron, { 6-inch	..	..	..	..	1	1	0
.. { 4 " ..	..	..	..	..	3	3	0
Shovels, G.S. ..	..	..	..	..	55	192	8
Lead ..	..	..	..	..	..	1,029	0
G.S. limbered wagon equipped (<i>cf.</i> , page 28) (<i>c</i>) ..	..	..	..	..	..	1,269	13
Total loaded G.S. limbered wagon No. 1 ..	..	..	..	..	..	2,298	13

(*c*) Approximate only; weight varies according to Mark.
= 20½ cwt., about.

D.—G.S. LIMBERED WAGONS FOR TOOLS.
(2 PER BATTALION.)

No 2.

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
FORE PORTION.				
Blanket, saddle (a) ..	1	5	4	(a) For the off horse.
Boxes, candles, F.S. (filled) ..	4	6	12	
Lanterns, tent, folding ..	4	27	2	
Panniers, filled, { cavalry and infantry carpenters	1	98	8	(b) 24 5-ft. 6-in. poles, and 16 3-ft. 6-in. poles in one bundle.
{ signalling stores ..	3	232	0	
Poles, signalling (b) ..	40	26	0	
HIND PORTION.				
{ felling, curved helve ..	8	48	0	
Axes, { hand ..	4	9	0	
{ heads ..	38	171	0	
{ pick, { helve ..	38	123	8	
Bars, crow ..	4	46	0	
{ bill ..	20	39	6	
Hooks, { reaping ..	10	10	0	
Nails, wire, iron, grooved, { 6-inch	1	1	0	
{ 4 " ..	2	2	0	
Shovels, G.S. ..	55	192	8	
Load	1,039	0	(c) Approximate only; weight varies according to Mark. = 20½ cwt. about.
G.S. limbered wagon. equipped (cf., page 28) (c) ..	..	1,269	13
Total loaded G.S. wagon, No. 2 ..	..	2,308	13

D.—G.S. LIMBERED WAGON FOR MACHINE-GUN SECTION.
(1 PER BATTALION.)

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
FORE PORTION.				
Axes, pick, { head { helve	1 1	4 3	8 4	(a) Each belt contains 250 rounds, S.A.A. (b) Contains, in addition to usual stores, 20 yards of spare cord for meko- meters. (c) One for mineral oil, one for Rangoon oil, packed in the case, can, 303-inch. (d) One for mineral jelly, one for turpentine, packed in the case, can, 303-inch.
Bags, sand, common	10	5	15	
Bar, carrying Maxim gun on tripod	1	1	10	
Belts, ammunition, Maxim, 303-inch (in boxes) (a)	14	292	8	
Box, spare parts and implements, Maxim (filled) (b)	1	31	0	
Cans, { lubricating, No. 9 (c) { half-pint (d)	2 2	1 ..	10 14	
Cases, { cans, 303-inch, tripod mountings { each with cleaning rod and spare gun barrel	1 1	2 6	3 4	
Flannelette	6	..	4	
Guns, { machine, protectors, muzzle { 303-inch, complete (in leather case) { plug, cork, complete { 303-inch Maxim gun, Mark IV, complete { (with hood, protecting)	1 1 1 1 1	.. .. 98 ..	3 4 3 0 1
Mountings, tripod, { pins, joint, { crosshead { elevating gear	1 1 1 1 1	50 1 ..	0 10 5 7	
Muzzle attachment, for ball fring.. .. .	1	..	4	
Plug, belt, Maxim, 303-inch	1	..	1	
Reflector, mirror, M.G., 303-inch	1	..	1	
Shovel, G.S.	1	3	8	

D.—G.S., LIMBERED WAGON FOR MACHINE-GUN SECTION—continued.
1 per Battalion.)

Articles.	No.	pproximate weight.		Remarks.
		lbs.	ozs.	
HIND PORTION.				
Axes, pick, { head	1	4	8	(e) For the off-horse.
{ helve	1	3	4	
Bags, sand, common	10	5	15	
Bar, carrying Maxim gun on tripod	1	1	10	
Belts, ammunition, Maxim, .303-inch (in boxes) (a)	14	292	8	
Blanket, saddle (e)	1	5	4	
Box, spare parts and implements, Maxim (filled)	1	30	12	
Cans, { lubricating, No. 9 (c)	2	1	10	
{ half-pint (d)	2	..	14	
Cases, { cans, .303-inch, tripod mountings	1	2	3	
{ each with cleaning rod and spare gun barrel	1	6	4	
Guns, { machine, protector, muzzle	1	..	3	
{ Maxim, { .303-inch, complete (in leather case)	1	98	0	
{ plug, cork, complete	1	..	1	
Mountings, tripod, { .303-inch Maxim gun, Mark IV, complete (with hood, protecting)	1	50	1	
{ pins, joint, { crosshead	1	..	10	
{ elevating gear.. .. .	1	..	5	
Muzzle attachment for ball firing	1	1	7	
Reflector, mirror, M.G., .303-inch	1	..	1	
Shovel, G.S.	1	3	8	
Load.. .. .	..	1,013	7
G.S. wagon, equipped (cf., page 28) (f) .. .. .	..	1,269	13
Total loaded G.S. limbered wagon, with machine-gun section .. .. .	..	2,283	4
				(f) Approximate only; weight varies according to Mark. = 20½ cwt., about.

E.—G.S. WAGONS FOR BAGGAGE, STORES AND SUPPLIES.

(4 PER BATTALION.)

No. 1.

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
IN THE LOCKER.				
Boxes, candle, F.S. (filled) ..	2	3	6	
Forage, compressed ..	1	82	0	
Lantern, tent, folding ..	2	13	9	
Reins, driving, long ..	1	4	4	
IN THE BODY.				
<i>Equipment and Stores:—</i>				
Baggage { C.O. ..	1	50	0	
{ other officers ..	28	980	0	
Blankets, saddle (a) ..	10	52	8	(a) For officers' and off horses.
Boots, ankle, spare, assorted sizes (b) ..	30	149	0	(b) Killed battalions will carry, in lieu,
Box, stationery, field (filled) ..	1	46	8	30 pairs of Highland shoes, assorted
Buckets, water, G.S., canvas ..	13	8	0	sizes.

E.—G.S. WAGONS FOR BAGGAGE, STORES AND SUPPLIES.

(4 PER BATTALION.)

No. 1—*continued*.

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
IN THE BODY—continued.				
<i>Equipment and Stores—continued:—</i>				
Kettles, camp oval, { for officers, (packed)	10	170	0	(c) For personnel of battalion head-quarters, machine-gun section, and two companies.
12 quarts { for rank and file (c)	19	161	8	
Ropes, drag, heavy..	1	21	0	
Sheets, ground (c) ..	293	732	8	
Shoes, canvas, assorted sizes	50	93	0	
Wheels, spare { No. 27 (or 24 or 25 in lieu)	1	230	0	
Whip, driving { No. 159 ..	1	132	0	
Whip, driving ..	1	1	0	
Load .. ..	..	2931	3
G.S. wagon equipped (cf. page 29) (d)	1985	15		(d) Approximate only; weight varies according to mark. = 44 cwt., about.
Total loaded G.S. wagon No. 1 ..	..	4917	2

E.—G.S. WAGONS FOR BAGGAGE, STORES AND SUPPLIES.

(4 PER BATTALION.)

No. 2.

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
IN THE LOCKER.				
Boxes, candle, F.S. (filled)	2	3	6	
Cartridges, dummy	20	1	4	
Forage, compressed	1	82	0	
Handcuffs, common	8	12	0	
Lanterns, tent, folding	2	13	9	
Reins, driving, long	1	4	4	
IN THE BODY.				
<i>Equipment and Stores:—</i>				
Bag, armourer's (filled)	1	7	12	
Balances, spring, 50-lb.	2	7	6	

E.—G.S. WAGONS FOR BAGGAGE, STORES AND SUPPLIES.

(4 PER BATTALION.)

No. 2—continued.

Articles.	No.	Approximate weight.		Remarks.
		lbs.	ozs.	
IN THE BODY—continued.				
Equipment and Stores—continued:—				
Blankets, saddle (a)	2	10	8	(a) For the off horses.
Blocks, tackle, 1½-inch cordage, { double	1	4	0	
Box, with No. 2 clearing rod	1	2	7	
Brushes, harness, hard	1	1	2	
Buckets, water, G.S., canvas	20	8	12	
	12	7	8	
Cordage, { hemp, hawser, white, { 1½-inch	20	12	8	
	36	9	0	
Dubbing	14	14	0	
Flannelette	2	4	0	
Implements, butchers'	390	12	0	
Jack, lifting, G.S.	2	74	0	
Jute, dressed	1	35	0	
Kettles, camp, oval, 12 quarts, for rank and file (b)	6	6	0	
Linen, old, for cleaning arms	44	37½	0	(b) For personnel of six companies.
	5	5	0	

	Oil, petroleum, Russian, lubricating	pints (c)	53	71	8
Picketing { mallets, heel peg, with small pickets	11	27	8
gear, { pegs, picketing, with rope loops (spare)	14	25	0
Pole, No. 7A (spare)	1	40	0
Ropes, drag, heavy..	pair	1	21	0
Rugs, horse, small..	3	21	0
Shafts, spare, { No. 1, near	1	38	0
{ No. 19, off	1	58	0
Sheets, ground (b)	702	1,753	0
Shoes, horse, with nails	sets	8	48	0
Wheel, No. 158 spare (or No. 200 in lieu)	1	165	0
Whip, driving	1	1	0
Wire, brass, No. 26 W.G..	lbs.	..	1	8
Load	2,983	14
G.S. wagon, equipped (cf. page 29) (d)	1,985	15
Total loaded G.S. wagon No. 2	4,969	13

(c) Packed in:—
 One 6-gallon drum.
 One 2-quart oil bottle.
 One pint oil bottle.

(d) Approximate only; weight varies according to Mark.
 = 44½ cwt., about.

E.—G.S. WAGONS FOR BAGGAGE, STORES, AND SUPPLIES.
(4 PER BATTALION.)
No. 3.

Articles.	No.	Approximate Weight.		Remarks.
		lbs.	ozs.	
IN THE LOCKER.				
Forage, compressed ..	1	82	0	
Knives, opening tins ..	4	3	0	
Reins, driving, long ..	1	4	4	
IN THE BODY.				
Equipment and Stores:—				
Blankets, saddle (a) ..	2	10	8	(a) For the off horses.
Whip, driving ..	1	1	0	
Supplies:—				
Biscuit (b) ..	524	774	0	(b) 10 cases, each 50-lbs. net; plus 24-lbs. loose.
Forage (c) ..	71	876	0	(c) 5 sacks at 160-lbs.; 1 sack at 52-lbs.; plus weight of sacks.
Jam (d) ..	1,024	371	0	(d) 5 cases, each 50-lbs. net; plus 6 1-lb. tins loose.
Meat, preserved (e) ..	480	600	0	(e) 8 cases, each 60-lbs. net.
Load ..	..	2,721	12	(f) Approximate only; weight varies according to Mark.
G S. wagon equipped (cf. page 29) (f)	1,985	15	= 42 cwt., about.
Total loaded G.S. wagon No. 3	4,707	11	

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E.—G.S. WAGONS FOR BAGGAGE STORES AND SUPPLIES.
(4 PER BATTALION.)
No. 4.

Articles.	No.	Approximate Weight.		Remarks.
		lbs.	ozs.	
IN THE LOCKER.				
Forage, compressed ..	1	82	0	
Knives, opening tins ..	4	3	0	
Reins, driving, long ..	1	4	4	
IN THE BODY.				
<i>Equipment and Stores:—</i>				
Blankets, saddle (a) ..	2	10	8	(a) For the off horses.
Whip, driving ..	1	1	0	
<i>Supplies:—</i>				
Biscuit (b) ..	500	750	0	(b) 10 cases each 50 lbs. net.
Groceries (c) ..	2,048	723	0	(c) In 9 grocery panniers.
Limejuice (d) ..	1,024	71	12	(d) 3½ gals.: in 3 1-gallon jars, 2 of the jars in a case.
Meat, preserved (e) ..	514	679	0	(e) 9 cases each 60 lbs net, plus 4 1-lb. tins loose.
Rum (f) ..	1,024	411	0	(f) 16 gals.: in 16 1-gallon jars, every two jars being in a case.
Load ..	..	2,741	8	(g) Approximate only; weight varies according to Mark.
G.S. wagon equipped (cf. page 29) (g) ..	..	1,985	15	= 42½ cwt., about.
Total loaded G.S. wagon No. 4 ..	..	4,727	7	

Section 7.

DATA ON WHICH THE TRANSPORT OF A BATTALION
IS CALCULATED.

A.—AMMUNITION.

APPROXIMATE AMOUNT OF AMMUNITION AVAILABLE.

Note.—For the purpose of arriving approximately at the number of rounds to be carried in ammunition columns, the number of rifles in an infantry battalion is calculated at 1000.

How carried.	Rounds per rifle.	Rounds per pistol.	Rounds per machine gun.	Remarks.
On the soldier	115 (a) (average)	12	—	
In the limbered wagon for each machine gun	—	—	3,500 (b)	
In regimental reserve (c) ..	100	12	8,000 (d)	
With field artillery brigade ammunition column ..	100	12	10,000	
With the divisional ammu- nition column	100	—	10,000	
Total in front of the advanced dépôt ..	415	36	31,500	

(a) With 1903 pattern 50 per cent. carry 140 rounds; 50 per cent. 90 rounds and an intrenching tool. These quantities will be increased to 190 and 140 rounds respectively, from the regimental reserve, when action is imminent. Rounds in excess of 140 (viz., 90 on the belt and 50 in the bandolier) will be carried in the pockets and haversack. The pattern of intrenching tool is not yet settled.

(b) Ready packed in the belts. Each machine gun is provided with 16 belts (14 filled and 2 spare), each belt containing 250 rounds.

(c) Carried on 8 pack animals for S.A.A. (1 per company), 5 S.A.A. carts with headquarters, 1 S.A.A. cart with the machine-gun section. In action 2 S.A.A. carts from each battalion in a brigade are formed into an "Infantry brigade ammunition reserve," vide "Infantry Training."

(d) 1000 rounds in the S.A.A. cart with the machine-gun section are packed in 4 spare machine-gun ammunition belts.

S.A.A. is packed in boxes of 1000 rounds; Pistol ammunition in boxes of 250 rounds.

B.—TOOLS (GENERAL DISTRIBUTION).
(EXCLUSIVE OF TOOLS REQUIRED FOR REPAIRS, OPENING CASES, &c.)

How carried.	Axes.				Hooks.		Saws.		Shovels.	Tools, intrenching.	Remarks.
	Felling.	Hammer-headed.	Hand.	Pick.	Bags, sand, common.	Bars, crow.	Bill.	Reaping.	Folding.	Hand.	
On the soldier	8	..	4	38	..	4	20	10	32	..	(a)
In the G.S. limbered { No. 1	8	..	4	38	..	4	20	10	..	1	..
wagons for tools { No. 2	..	..	..	..	..	..	..	..	..	..	..
In the G.S. limbered wagon for	..	..	..	2	20	..	..	..	..	..	..
machine gun	..	8	..	72	..	..	..	..	..	112	..
On 8 company pack animals for tools	..	1	..	..	..	..	..	..	..	..	..
On a spare pack animal	..	..	..	..	..	..	..	..	..	..	..
<i>Cart and Wagon Equipment—</i>											
Cart, Maltese	1	..	..	1	..	..	1	..	..	..	..
Wagons, G.S. (4)	4	..	..	4	..	..	4	..	..	..	..
Total	21	9	8	155	20	8	45	20	32	1	(a)

(a) Carried by 50 per cent. of rank and file: pattern not yet decided.

C.—RATIONS AND FUEL.

DETAIL OF RATIONS CARRIED IN THE FIELD WITH INFANTRY BATTALIONS, AND IN TRANSPORT AND SUPPLY COLUMNS AND PARKS FOR EACH OFFICER AND MAN.

How carried.	FIELD RATION.					Emergency ration. 6½ oz. net 9½ oz. gross.	Remarks.
	1½ lbs. fresh or 1 lb. (nominal) preserved or salt meat. 1½ lbs. bread, or 1 lb. biscuits, or flour.	Groceries. Tea, sugar, salt, and pepper (as detailed in Allowance Regulations).	Jam, Limejuice, and Rum. (As detailed in Allowance Regulations.)	Vegetables. ½ lb. fresh, or 2 ozs. dried, or ¼ lb. preserved fruit.			
On the soldier	½ (a)	..	..	..	1 (e)	(a) The unexpended portion of the day's ration issued the previous evening.
In regimental transport	1	2 (b)	1 (c)	.. (d)	..	(b) Carried in 9 grocer's panniers. (c) Limejuice and rum to be issued at the discretion of the general officer commanding, on the recommendation of the medical officer.	
In transport and supply columns to replace issues	1	1	1	1	1	(d) To be issued when available, but not to be carried in regimental transport, when marching daily.	
In transport and supply parks	3	3	3	3	..	(e) The emergency ration is not to be opened except by order of an officer or in extremity.	
Total	5½	6	5	4	2		

NOTE.—No fuel will be carried normally, except the wood of the ration boxes, which will be issued for kindling purposes and be supplemented by fuel obtained locally.

D.—FORAGE.

DETAIL OF FORAGE CARRIED IN THE FIELD WITH INFANTRY BATTALIONS, AND IN TRANSPORT AND SUPPLY COLUMNS AND PARKS FOR EACH HORSE.

How carried,	Corn ration. 12 lbs.	Compressed forage.	Remarks.
On the horse	$\frac{1}{2}$ (a)	..	(a) The unexpended portion of the day's ration issued the previous evening.
In regimental transport	1	(b)	(b) One bale (82 lbs. gross weight) is carried in the locker of each G.S. wagon. This is only to be consumed by order of an officer.
In transport and supply column, to replace issues	1	(b)	
In transport and supply park	3	(b)	
Total	5 $\frac{1}{2}$..	

NOTE.—The above scale of forage is applicable to a country where hay is available.

E.—SIGNALLING EQUIPMENT FOR AN INFANTRY BATTALION IN THE FIELD.

(CARRIED PARTLY BY THE SIGNALLERS, AND PARTLY IN SIX
SIGNALLING PANNIERS IN THE G.S. LIMBERED WAGONS FOR
TOOLS.)

Articles.	No.	Remarks.
A.F. C 2121 (ii) books	48 (a)	(a) 8 carried by sig- nallers.
Apparatus, limelight:—		
Bags, { gas.	4	
{ pressure	1	
Bottle, cleansing, gas	1	
Can, tin	1	
Case, loose, pencils	1	
Lamp.	1	
Pencils dozen	1	
Retorts, copper	2	
Spanner, retort	1	
Binoculars, in cases	9 (b)	(b) Carried by sig- nallers.
Books, signalling, manual	9 (b)	
Cases, message book	8 (b)	
Chimneys, glass	16	
Compasses, prismatic, in cases	8 (b)	
Cotton, waste, white lbs.	2	
blue { 3 feet square	8	
{ 2 " "	16 (b)	
Flags, white {	8	
signal, with { 2 " "	16 (b)	
army, stripe, {		
poles, { 5 feet 6 inches	24	
{ 3 feet 6 inches	48 (c)	(c) 32 carried by sig- nallers.
Heliographs, 5-inch	8	
Lamps, signalling, "B"	8 (d)	(d) All lamps are filled for service, a reserve of oil and wick for signalling lamps is carried in the trans- port and supply columns.
Methylated spirits galls.	1 (e)	(e) 3 months' supply.
Oxygen mixture lbs.	24 (e)	(f) Will be issued as required.
Panniers, signalling, No. 1	6	
Pencils	(f)	
Stands, { lamp or heliograph "A"	8	
{ telescope, signalling	8 (b)	
Telescopes, signalling	8 (b)	
Tubing, indiarubber, $\frac{3}{8}$ -inch .. feet	5	
Watches	8 (b)	

F.—SPARE WHEELS, SHAFT, POLES, AND SWINGLE-TREES.**(1) WHEELS.**

One spare wheel for S.A.A. carts (No. 27, or 24 or 25 in lieu) is carried in the regimental transport of a battalion (*cf.* page 42).

One spare fore wheel (No. 159) and one spare hind wheel (No. 158 or 200) for G.S. wagons are carried in the regimental transport of a battalion (*cf.* pages 42 and 45).

(2) SHAFTS.

Spare shafts for S.A.A. carts (No. 1, near ; No. 19, off) are carried in the regimental transport of a battalion (*cf.* page 45). Spare shafts for other vehicles are carried by the divisional transport and supply columns.

(3) POLES.

One spare pole (No. 7A) for G.S. wagons is carried in the regimental transport of a battalion (*cf.* page 45).

(4) SWINGLETREES.

The wagon equipment of each G.S. wagon includes a spare swingletree, and this provision covers the requirements of the Maltese and water carts, and G.S. limbered wagons (*cf.* page 29).

S.A.A. carts do not require swingletrees.

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